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## **We aviva** KPNA3 Antibody - N-terminal region : HRP (ARP54674\_P050-HRP)

Data Sheet

Product Page         joww.avisussibio.com/kpm3_ant/body=n_terminal-region_htp-arg/54/674_p050-htp.html           Name         KPNA3_Ardbody=N-terminal-region_HP2-arg/54/674_p050-htpl.html           Name         KPNA3_Ardbody=N-terminal-region_HP2-arg/54/674_p050-htpl.html           Protein Size (# AA)         521 amino ackls           Subunit         alpha-3           Conjugation         HRP: Horsendish Peroxidase           NCBI Gene Id         3839           Host         Rabbit           Consulty         Polyckoral           Consentration         0.5 mg/ml           Gene Full Name         Kayopherin alpha 3 (inportin alpha 4)           Allias Symbols         SRP1, SRP1, JRNA, HOAA, HSRP1, SRP1 gamma           Peptide Sequence         APMPSLENHER/RESEK/NK GRD/FEI/MRRHR/NEVT/PELRK/NK/RDFHLLKK/RNV           Protein Format         Liquid, Purified antibody is supplied in high plosphate PBS, 100 mm plosphate, 150 mM NaCL pH 7.6.           Reference         Singh,A.P., (2007) Cell 131 (3), 492-504           Description of Target         The transport of moleculars between the nucleus and the cytophism in eukaryotic cells is mediated by the nuckear porce some similar to certain short hasia anion acid sequences hows an inckar boaica sino acid sequences hows an inckar localization signals (NLSS). KPNA3 is a protein similar to certain nuckear transport proteins of XPD paraset transport proteins of XPD paraset transport proterion soft ano acid sequences hows an inckar locali	Due duet Munde en	ADD54674 D050 LIDD
Name         KPNA3 Anthody - N-terminal region : HRP (ARP54674_P050-HRP)           Protein Size (# AA)         521 amino acids           Suburit         diplar-3           Conjegation         HRP: Horsendish Peroxidase           Oroleant Weight         584.Da           Suburit         diplar-3           Conjegation         HRP: Horsendish Peroxidase           NCBI Gene Id         3839           Host         Rabbit           Concentration         0.5 mg/ml           Gene Full Name         Karyopherin alpha 3 (inportin alpha 4)           Alias Symbols         SRP1, SRP1_JRNR4, INCAL, SRP1_SRP1_garma           Synthetic peptide located within the following region: ADNEST. InHUREST. KNRCKON DVENTMRRHIRKTEVTYPERKNKRD/HILLKKRNV           Product Format         Liquid. Puriled antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCL pH 7.6.           Reference         Singh.A.P., (2007) Cell 131 (3), 492-504           The transport of moleculas between the mcleus and the cytoplasm in eukaryotic cells is mediated by th nuclear proc complex (WPC) which consists of 60-100 proteins and is probably 120 million dators in moleculas size, Small moleculas (up to 70 kD) can pass through the nuclear prote some ordeculas exerces Known as nuclear localization signals (NLS9), KPNA3 is a protein similar to certain moleculas set for sepation in eukaryotic cells is mediated by the nuclear proc complex (WPC) which consists of 60-100 proteins and is probably 120 million dators in moleculas s	Product Number	ARP54674_P050-HRP
Protein Size (# AA)         521 arrino acids           Molecular Weight         584.ba           Subunit         alpha-3           Conjugation         IRP: Hoseradish Peroxidase           NCBI Gene Id         3839           Host         Rabbit           Connentration         0.5 mg/ml           Gene Full Nume         Kayopherin alpha 3 (inportin alpha 4)           Allas Symbols         SRP1, SRP4, IPOA4, ISRP1, SRP1gamma           Peptide Sequence         Synthetic peptide located within the following region: APNPSI, ID-HIRE SKTNK (GRDVETMRHRINE VTVERKNKRDDEHLLKKRNV           Product Format         Lipaid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCL pH 7.6.           Reference         Sigh,A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the mclear and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 millon dators in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore to prostek/re diffision; larger moleculas are transported by an active process. Most macker protein similar to certain nuclear transport system. The transport of mackets between the nucleas and the cytoplasm in eukar to cells is mediated by the nuclear transport system active process. Most nuclear proteins coll-100 proteins and is probably 120 millon dators in molecular size, support cells is mediated by the nuclear transport system. The transport of mackets are transport system in the analystem to mackets areaprote sof Noropatin, he		
Molecular Weight         S8kDa           Subunit         apha-3           Conjugation         HRP: Horsendish Peroxidase           NCBI Gene Id         3839           Host         Rabbit           Connality         Polyclonal           Concentration         0.5 mg/ml           Gene IdI Name         Karyopherin alpha 3 (mportin alpha 4)           Alias Symbols         SRP1, SR		
Subunit         alpha-3           Conjugation         HRP: Horseradish Peroxidase           NCBI Corne Id         3839           Host         Rabbit           Conneutry         Polyckoral           Concentration         0.5 mg/ml           Gene Full Name         Karyopherin alpha 3 (mportin alpha 4)           Atias Symbols         SRP1, SRP4, IPOA4, ISRP1, SRP1 gamma           Peptide Sequence         Synthetic projetic located within the following region: ANDESI, ISNNR(KGDVFTMRRHRNEY/VFLRKNKRDFHLLKKRNV           Product Format         Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCL pH 7.6.           Reference         Singh,A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of Col-100 proteins and is probably 120 million dators in molecular size. Smm1 molecules (up to 70 kD) can pass through the nuclear potes contain short basis for 60-100 proteins and is probably 120 million dators in molecular size. Smm1 molecules (up to 70 kD) can pass through the nuclear potes contain short basis on thore antipase of the nuclear protein soft as induces on the nuclear protein soft as induces and the cytoplasm in nuclear localization signals (NLSs), KPNA3 is a protein similar to certain nuclear transport system The transport of molecules between the nuclear and the cytoplasm in nuclear bocalization signals (NLSs), KPNA3, sequences Mown an nuclear protein soft as induces on the soft basis antine acid-sequences howns an anuclear protein soft asinge	. ,	
Conjugation         HP: Horseradish Peroxidase           NCBI Gene Id         3839           Host         Rabbit           Conality         Polyclonal           Conneutration         0.5 rg/ml           Gene Full Name         Karyopherin alpha 3 (mportin alpha 4)           Alias Symbols         SRP1, SRP4, IPOA4, hSRP1, SRP1gmmm           Peptide Sequence         Symbols FDEI NHRIKSFKAKGRD/FTARRHRNFVTVELRKNKDPHLLKKRNV           Product Format         Liquid. Purified antibody is supplied in high physphate PBS, 100 mm physphate, 150 mM NaCl, pH 7.6.           Reference         Singh,A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear raneo complex (NPC) which consists of Col-100 proteins and is probably 120 milion dators in molecular size, Small molecules (pt to 70 kD) can pass through the nuclear proce by nonselective diffusion; larger molecules are incarbort orbic cells is mediated by the nuclear proce proteins contain short basis and the cytoplasm in eukaryopherin alpha-3 may be involved in the nuclear transport system. The transport of moleculas set proteins contain short basis and the cytoplasm in eukaryopherin alpha-3 may be involved in the nuclear proce protein contain short basis and the cytoplasm in eukaryopherin alpha-3 may be involved in the nuclear protein contain short basis and the cytoplasm in eukaryopherin alpha-3 may be involved in the nuclear transport system. The transport of ND (20 nuprotes shorts may the protein similar to certan involate set proteins singlat (NLSs), KPNA3, encodes by RPNA3, encodes protein sinshart to cer		
Description of Target         Singla Construction           Description of Target         Finite Arabotic Should be stored in light protein sinker to certain nucker transport proteins of the colous molecules are construction and Store of the colous molecules show and the colous molecules of the colous molecules are constructed and the colous mine transport of the colous molecules are constructed and the colous mine to the colous molecules are colous molecules (the to 70 kD) can pass through the nucker pore by nonselective diffusion; larger molecules are transport proteins of the colous mine to the colous mine and the colous mine and the colous mine and the colous mine molecules (the to 70 kD) can pass through the nucker pore torins instruct to corpus inportint, yeast SRPI, and human RCHI (KPNA2), respectively. The similarities among these proteins stagest that keyopherin alpha - 3 may be involved in the nuckers and the cytoplasm in eakaryotic cells is mediated by the nuckera pore complex (NPC) which consists of 60-100 proteins and is probably 120 million dators in molecular size. Small molecules (the to 70 kD) can pass through the nuckera pore complex (NPC) which consists of 60-100 proteins and is probably 120 million dators in molecular size. Small molecules (the to 70 kD) can pass through the nuckera pore by norselective diffusion; larger molecules are to a species and the cytoplasm in eakaryotic cells is mediated by the nuckera pore complex (NPC) which consists of 60-100 proteins and is probably 120 million dators in molecular since to the pu		-
Host         Rabbit           Clonality         Polyclonal           Concentration         0.5 mg/ml           Gene Full Name         Karyopherin alpha 3 (inportin alpha 4)           Alias Symbols         SRP1, SRP4, IPOA4, hSRP1, SRP1gamma           Peptide Sequence         Synthetic peptide located within the following region: AENPS1ENHRIKSEKNKGRDVETMRRHRNEVTVELRKNKRDEHLIKKRNV           Product Format         Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.           Reference         Singl,A.P., (2007) Cell 131 (3), 492-504           Reference         Singl,A.P., (2007) Cell 131 (3), 492-504           moleculas (inp to 70 kD) can pass flrough the nuckar pore by nonselective diffision, larger moleculas rare transported by an active process. Most nuckar proteins contain short basci amino acid sequences known as nuckar to acitazion sigrals (NLSs), KPNA3 is a protein sinkar to cartain nuckar transport proteins of Xaroopus and humm. The predicted amino acid sequence shows similarity to Xenopus inportity, yeast SPL, and human RCH1 (KPNA2), respectively. The similaritis among these proteins suggest that karyopherin alpha-3 may be involved in the nuckar prore complex (NPC) which consists of 60-100 proteins and is probably 120 million dalons in nuckar transport proteins of Xaroopus and human. The predicted antino acid sequences known as nuckar transport proteins of Xaroopus and human. The predictise antino acid sequence shows anilarity to Xaroopus and human. The predictise antino acid sequence shows similarity to Xaroopus inportin, yeast SRP1, and human RCH1 (KPNA2), respecrively. The similaritis amorg these proteins contain short basi	• •	
Clonality         Polyclonal           Concentration         0.5 mg/ml           Gene Full Name         Karyopherin alpha 3 (inportin alpha 4)           Afias Symbols         SRP1, SRP4, IPOA4, fSRP1, SRP1 garma           Peptide Sequence         APINEL INFIRICSTEKINKGER/COMMERIATEMENT/VELIGENKKRD/FHLIKKENK/           APPENDED FORMATION COMPLEXENT CAMPARIAREMENT/VELIGENKKRD/FHLIKKENK/         APINEL INFIRICSTEKINGER/COMMERIATEMENT/VELIGENKRD/FHLIKKENK/           Product Format         Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH7.6.           Reference         Singh, A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nuclears and the cytoplasm in eukaryotic cells is mediated by the nuclear proceemies (NPC) which consists of 60-100 proteins and is probably 120 million dators in molecules are transported by an active process. Most nuclear proteins not be certain nuclear transport proteins of X-enopus inportin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear prore complex (NPC) which consists of 00-100 proteins and is probably 120 million dators in molecular soft of 0.010 proteins and is probably in an active process. MOST nucleus between the nuclear protein simular to certain nuclear transport system. The transport of molecules between the nuclear protein simular to certa in nuclear transport system. The transport system Publication Note: This RefSeq record in knocks a spote soft on the nuclear protein simular to certa in nuclear transport system. Publication Note: This RefSeq record includes a subset of the publications that are av	NCBI Gene Id	
Concentration         0.5 mg/ml           Gene Full Name         Karyopherin alpha 3 (importin alpha 4)           Alias Symbols         SRP1, SRP4, IPOA4, hSRP1, SRP1gamma           Peptide Sequence         Synthetic peptide located within the following region: AENPSLENENKRKSRDVEITMRRHRNEVTVELRKNKRDEHLLKKRNV           Product Format         Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCL pH 7.6.           Singh,A.P., (2007) Cell 131 (3), 492-504         The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million dators in molecular size. Small molecules (pt 07 ob L) can pass through the nuclear pore by moselective diffision, targer molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences shown as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nucleus SRP1, and human RCH1 (KPNA2), respectively. The sinflamities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport system. The transport of molecules between the nucleus and the cytoplasm in etakaryotic cells is mediated by the nuclear nore by mosecies. Most nuclear proteins contain short basic amino acid sequences hown as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xeropus and human. The predicted amino acid sequence shown similarly to Xeropus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear antasport system. Publication Note: This RefSeq record includes a subset of the publications that ar	Host	Rabbit
Gene Full Name         Karyopherin alpha 3 (importin alpha 4)           Alias Symbols         SRP1, SRP4, IPOA4, hSRP1, SRP1gamma           Peptide Sequence         Synthetic peptide located within the following region: AENPSLENTRIKSFKNKCRDVETMRRHRNEVTYELRKNKRDEHLLKKRNV           Product Format         Liquid, Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.           Reference         Singh,A.P., (2007) Cell 131 (3), 492-504           Reference         Singh,A.P., (2007) Cell J31 (3), 492-504           Descuess (up to 70 kD) can pass through the maclear pore by nonselective diffusion, larger molecular size. Small molecules (up to 70 kD) can pass through the maclear pore by nonselective diffusion, years SP1, and hurran Reported by an active process. Most muclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nuclear starsport proteins of Xenopus and hurran. The predicted amino acid sequence shows similarity to Xenopus importin, years SP1, and hurran RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear proteins or ompks (NPC) which consists of 60-100 proteins and is probably 120 million dations in molecular size. Small molecules between the nuclear proteins ortain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport system The transport of molecules between the nuclear and is probably 120 million dations in molecules are transport signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and huran. The predicted amino acid sequences showo similarity to Xe	Clonality	Polyclonal
Alias Symbols         SRP1, SRP4, IPOA4, ISRP1, SRP1gamma           Peptide Sequence         Synthetic peptide located within the following region: AENPSLENHRIKSFKINKGRDVETMRRHRNEVTVELRKNKRDEHLIKKRNV           Product Format         Liquid, Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.           Reference         Singh,A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nuclear and the cytoplasm in cukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million datons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffision, larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport of molecules (up to 70 kD) can pass through the muckear pore by nonselective diffusion, larger moleculas are transported by an active process. Most nuclear proteins sontian short basic amino acid sequences known as nuclear localization signals (NLS), KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarly to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear transport system. Publication Note: This RefSeq record includes a subset of the publications that are availa	Concentration	0.5 mg/ml
Peptide Sequence         Synthetic peptide located within the following region: AENPSLENHRIKSFKNKGRDVETMRRHRNEVTVELRKNKRDEHLLKKRNV           Product Format         Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.           Reference         Singh, A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nuckus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million dators in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by norselective diffision; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nuclear transport proteins of X-enopus and human. The predicted amino acid sequence shows similarity to X-enopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 my be involved in the nuclear transport proteins of X-enopus and human. The predicted amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a proteins and is probably 120 million dations in molecular size. Small molecules (up to 70 kD) can pass through the nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of X-enopus and human. The predicted amino acid sequences knows similarity to X-enopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 my be involved in the nuclear transport system. Publication Note: This RefSeq record incluckes a subset of the publications that are availab	Gene Full Name	Karyopherin alpha 3 (importin alpha 4)
Peptide         AENPSLENHRIKSFKNKGRDVETMRRÅRNEVTVELRKNKRDEHLLKKRNV           Product Format         Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.           Reference         Singh,A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltors in molecular size. Small molecules (up to 70 kD) can pass through the nuclear proteins contain short basic annio acid sequences known as nuclear transport proteins oi signals (NLSs). KPNA3 is a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted annio acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins unclear tharsport proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore complex (NPC) which consists of 60-100 proteins can and protein similar to certain nuclear transport system The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins contain short basic amino acid sequences known as nuclear tocalization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and Iurnan. The predicted amino acid sequences shows sinikarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins similar to certain nuclear transport shorts in sinilarits and protein similar to certain nuclear transport shorts in similar to certain nuclear transport shorts on the publications.           Protein Interactions	Alias Symbols	SRP1, SRP4, IPOA4, hSRP1, SRP1gamma
Reference         Singh, A.P., (2007) Cell 131 (3), 492-504           The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million datons in molecules are transported by an active process. Most nuclear pore to by nonselective diffusion, larger molecules are transported by an active process. Most nuclear proteins ordina short basic amino acid sequences known as nuclear transport of the nucleur and numan. The predicted amino acid sequence shows similarity to Xeonpus importin, yeast SRP1, and human RCHI (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million dations in molecular size. Small molecules (up to 70 kD) can pass through the nuclear protein some settive diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences shown as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequences shows similarity to Xenopus inportin, yeast SP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear transport of the publication such as a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.           Protein Interactions         TEX37; SLCSA11; APOL6; RPRD1A; ZCCHC10; MAT2B; NUP50; TSSC4; ZBTB24; DDX21; MTA1; HNRNPC; FTL; MVP; HSF1; UBC; MMS19; KPNA6; MCM6; MCM4; HDAC1; UL12; NACC1; NFE212; MYOD1; GTF2H1; GATA6; ERCC3;	Peptide Sequence	
The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear pore to monselective diffusion; larger molecules are transported by an active process. Most nuclear porter sources are most similar to certain nuckar transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport system. The transport of molecules between the nuckus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear transport system. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.         Protein Interactions       TEX37, SLCSA11; APOL6; RPRD1A; ZCCHC10; MAT2B; NUP50; TSSC4; ZBTB24; DDX21; MTA1; HNRNPC; FTI; MVP; HSF1; UBC; MMS19; KPNA6; MCM6; MCM4; HDAC1; U	Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mm phosphate, 150 mM NaCl, pH 7.6.
pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport of molecules softween the nuclear any be involved in the nuclear transport of molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion, larger molecules are transported by an active process. Most nuclear pore by nonselective diffusion, larger molecules are transport dysten with curves and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion, larger molecules are transported by an active process. Most nuclear pore by nonselective diffusion, larger molecules are transport system. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.Protein InteractionsTEX37; SLC5A11; APOL6; RPRD1A; ZCCHC10; MAT2B; NUP50; TSSC4; ZBTB24; DDX21; MTA1; HNRNPC; FTL; MVP; HSF1; UBC; MMS19; KPNA6; MCM6; MCM4; HDAC1; UL22; NACC1; NFF212; WYOD1; GTF2H1; GATA6; ERCC3; EPHA2; CBX5; TP53BP1; BARD1; ZNF131; COIL; CUL3; Ranbp2; MkiReconstitution and StorageAll conjugated antibodi	Reference	Singh, A.P., (2007) Cell 131 (3), 492-504
Protein InteractionsHNRNPC; FTL; MVP; HSF1; UBC; MMS19; KPNA6; MCM6; MCM4; HDAC1; UL122; NACC1; NFE2L2; MYOD1; GTF2H1; GATA6; ERCC3; EPHA2; CBX5; TP53BP1; BARD1; ZNF131; COIL; CUL3; Ranbp2; MkiReconstitution and StorageAll conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.Datasheets/ManualsPrintable datasheet for anti-KPNA3 (ARP54674_P050-HRP) antibody For anti-KPNA3 (ARP54674_P050-HRP) antibody is Catalog # AAP54674 (Previous Catalog # AAPP31465)ImmunogenThe immunogen is a synthetic peptide directed towards the N terminal region of human KPNA3	Description of Target	pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3 is a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggest that karyopherin alpha-3 may be involved in the nuclear transport system The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecular size. Small molecules (up to 70 kD) and the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequences known as nuclear localization signals (NLSs). KPNA3, encodes a protein similar to certain nuclear transport proteins of Xenopus and human. The predicted amino acid sequence shows similarity to Xenopus importin, yeast SRP1, and human RCH1 (KPNA2), respectively. The similarities among these proteins suggests that karyopherin alpha-3 may be involved in the nuclear transport system. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Reconstitution and Storagealuminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.Datasheets/ManualsPrintable datasheet for anti-KPNA3 (ARP54674_P050-HRP) antibodyBlocking PeptideFor anti-KPNA3 (ARP54674_P050-HRP) antibody is Catalog # AAP54674 (Previous Catalog # AAPP31465)ImmunogenThe immunogen is a synthetic peptide directed towards the N terminal region of human KPNA3	Protein Interactions	HNRNPC; FTL; MVP; HSF1; UBC; MMS19; KPNA6; MCM6; MCM4; HDAC1; UL122; NACC1; NFE2L2; MYOD1; GTF2H1; GATA6; ERCC3; EPHA2; CBX5; TP53BP1; BARD1; ZNF131; COIL; CUL3;
Blocking Peptide       For anti-KPNA3 (ARP54674_P050-HRP) antibody is Catalog # AAP54674 (Previous Catalog # AAPP31465)         Immunogen       The immunogen is a synthetic peptide directed towards the N terminal region of human KPNA3	Reconstitution and Storage	aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing
Immunogen         The immunogen is a synthetic peptide directed towards the N terminal region of human KPNA3	Datasheets/Manuals	Printable datasheet for anti-KPNA3 (ARP54674_P050-HRP) antibody
	Blocking Peptide	For anti-KPNA3 (ARP54674_P050-HRP) antibody is Catalog # AAP54674 (Previous Catalog # AAPP31465)
Uniprot ID O00505	Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human KPNA3

Protein Name	Importin subunit alpha-3
Sample Type Confirmation	KPNA3 is strongly supported by BioGPS gene expression data to be expressed in HepG2, MCF7 KPNA3 is supported by BioGPS gene expression data to be expressed in HeLa
Protein Accession #	<u>NP_002258</u>
Purification	Affinity Purified
Nucleotide Accession #	<u>NM_002267</u>
Gene Symbol	KPNA3
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 77%; Dog: 77%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
Image 1	

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