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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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| | |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Number | ARP54670_P050-Biotin |
| Product Page | www.avivasysbio.com/kpna1-antibody-n-terminal-region-biotin-arp54670-p050-biotin.html |
| Name | KPNA1 Antibody - N-terminal region : Biotin (ARP54670_P050-Biotin) |
| Protein Size (# AA) | 538 amino acids |
| Molecular Weight | 60kDa |
| Subunit | alpha-1 |
| Conjugation | Biotin |
| NCBI Gene Id | 3836 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | Karyopherin alpha 1 (importin alpha 5) |
| Alias Symbols | RCH2, SRP1, IPOA5, NPI-1 |
| Peptide Sequence | Synthetic peptide located within the following region: TTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKREEQLFKRRNVA |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Theodore,M., (2008) J. Biol. Chem. 283 (14), 8984-8994 |
| Description of Target | Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. KPNA1 interacts with RAG1 and may play a role in V(D)J recombination. Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. The protein encoded by this gene interacts with RAG1 and may play a role in V(D)J recombination. 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 | UBC; TAF9; CLK4; NUP50; ANP32B; XRN2; rev; TRMT61A; KCTD12; NPM1; GABPA; DCAF6; LIMCH1; HECW2; CLK3; HDAC2; HDAC1; GOPC; HDAC6; CRADD; LMO4; BCAR3; FOSL1; SKP2; ORC4; IL1RAP; AICDA; TP53BP1; KPNB1; RAG1; NOSIP; DCAF8; ANP32A; CAND1; COPS5; CUL1; CUL3; CUL |
| Reconstitution and Storage | All 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/Manuals | Printable datasheet for anti-KPNA1 (ARP54670_P050-Biotin) antibody |
| Blocking Peptide | For anti-KPNA1 (ARP54670_P050-Biotin) antibody is Catalog # AAP54670 (Previous Catalog # AAPP31461) |
| Immunogen | The immunogen is a synthetic peptide directed towards the N terminal region of human KPNA1 |
| Uniprot ID | P52294 |
| Protein Name | Importin subunit alpha-1 |
| Sample Type Confirmation | KPNA1 is strongly supported by BioGPS gene expression data to be expressed in 721_B |
| Protein Accession # | NP_002255 |

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|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_002264 |
| Gene Symbol | KPNA1 |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish |
| Application | WB |
| Predicted Homology Based on Immunogen Sequence | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93% |
| Image 1 |  |

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

AVIVA SYSTEMS BIOLOGY
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