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Produktinformation



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Zellkultur & Verbrauchsmaterial



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	ARP58402_P050-Biotin
Product Page	www.avivasysbio.com/cdc2-antibody-middle-region-biotin-arp58402-p050-biotin.html
Name	CDC2 Antibody - middle region : Biotin (ARP58402_P050-Biotin)
Protein Size (# AA)	297 amino acids
Molecular Weight	34kDa
Conjugation	Biotin
NCBI Gene Id	983
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Cyclin-dependent kinase 1
Alias Symbols	CDC2, CDC28A, P34CDC2
Peptide Sequence	Synthetic peptide located within the following region: CAICTLFYPYCQALQTEKEAPIASLGEGCPATLPSKSRQKTRPLIPEMCF
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Nakajima,D., (2008) J. Virol. 82 (9), 4527-4532
Description of Target	The protein encoded by CDC2 is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control.
Protein Interactions	ABL1; SIRT1; CDC37; HUWE1; BTRC; UBC; HSP90AA1; HSPA4; HIST1H1A; GADD45A; CKS1B; USP16; Samhd1; UIMC1; SUMO2; CCNA2; STAU1; RNF2; CKS2; ZRANB2; CDKN1B; CDKN1A; CDK1; CCNB1; FBXO6; CCNB2; PKMYT1; SQSTM1; EGFR; PTMA; DCTN6; RGCC; BAG3; CDC25B; BCL2; TP53BP1
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-CDK1 (ARP58402_P050-Biotin) antibody
Blocking Peptide	For anti-CDK1 (ARP58402_P050-Biotin) antibody is Catalog # AAP58402 (Previous Catalog # AAPS33406)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CDC2
Uniprot ID	P06493
Protein Name	Cyclin-dependent kinase 1
Sample Type Confirmation	CDK1 is strongly supported by BioGPS gene expression data to be expressed in HEK293T
Protein Accession #	NP_001777
Purification	Affinity Purified

Nucleotide Accession #	NM_001786
Gene Symbol	CDK1
Predicted Species Reactivity	Human, Mouse, Rat, Dog, Goat, Horse, Pig, Rabbit, Sheep, Yeast
Application	WB
Predicted Homology Based on Immunogen Sequence	Dog: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 100%
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.

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