



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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<b>Product Number</b>	ARP58402_P050-HRP
<b>Product Page</b>	<a href="http://www.avivasysbio.com/cdc2-antibody-middle-region-hrp-arp58402-p050-hrp.html">www.avivasysbio.com/cdc2-antibody-middle-region-hrp-arp58402-p050-hrp.html</a>
<b>Name</b>	CDC2 Antibody - middle region : HRP (ARP58402_P050-HRP)
<b>Protein Size (# AA)</b>	297 amino acids
<b>Molecular Weight</b>	34kDa
<b>Conjugation</b>	HRP: Horseradish Peroxidase
<b>NCBI Gene Id</b>	983
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	0.5 mg/ml
<b>Gene Full Name</b>	Cyclin-dependent kinase 1
<b>Alias Symbols</b>	CDC2, CDC28A, P34CDC2
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">CAICTLFYPYCQALQTEKEAPIASLGEGCPATLPSKSRQKTRPLIPEMCF</a>
<b>Product Format</b>	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
<b>Reference</b>	Nakajima,D., (2008) J. Virol. 82 (9), 4527-4532
<b>Description of Target</b>	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.
<b>Protein Interactions</b>	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
<b>Reconstitution and Storage</b>	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.
<b>Datasheets/Manuals</b>	Printable datasheet for <a href="#">anti-CDK1 (ARP58402_P050-HRP) antibody</a>
<b>Blocking Peptide</b>	For anti-CDK1 (ARP58402_P050-HRP) antibody is <a href="#">Catalog # AAP58402</a> (Previous Catalog # AAPS33406)
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the middle region of human CDC2
<b>Uniprot ID</b>	<a href="#">P06493</a>
<b>Protein Name</b>	Cyclin-dependent kinase 1
<b>Sample Type Confirmation</b>	CDK1 is strongly supported by BioGPS gene expression data to be expressed in HEK293T
<b>Protein Accession #</b>	<a href="#">NP_001777</a>
<b>Purification</b>	Affinity Purified

<b>Nucleotide Accession #</b>	<a href="#">NM_001786</a>
<b>Gene Symbol</b>	<a href="#">CDK1</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Dog, Goat, Horse, Pig, Rabbit, Sheep, Yeast
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Dog: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Yeast: 100%
<b>Image 1</b>	

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Optimal conditions of its use should be determined by end users.

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