



Cdk1/Cdc2 Polyclonal Antibody

Catalog No	BYab-16696
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CDK1
Protein Name	Cyclin-dependent kinase 1
Immunogen	The antiserum was produced against synthesized peptide derived from human CDC2. AA range:101-150
Specificity	Cdk1/Cdc2 Polyclonal Antibody detects endogenous levels of Cdk1/Cdc2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
	CDK1; CDC2; CDC28A; CDKN1; P34CDC2; Cyclin-dependent kinase 1; CDK1; Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase
Observed Band	Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein
Observed Band Cell Pathway	Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase
	Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase 34kD Nucleus. Cytoplasm. Mitochondrion. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Cytoplasmic during the interphase. Colocalizes with SIRT2 on centrosome during prophase and on splindle fibers during metaphase of the mitotic cell cycle. Reversibly translocated from cytoplasm to nucleus when phosphorylated before G2-M transition when associated with cyclin-B1. Accumulates in mitochondria in

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网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



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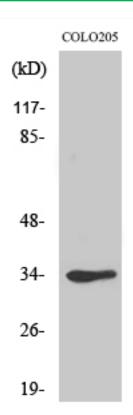


II.,similarity:Belongs to the protein kinase superfamily subfamily.,similarity:Conta non-covalent complex with DLGAP5. Isoform 2 is una	a regulatory subunit and with a cyclin. Interacts with
subunit of the highly conse promoting factor (MPF), wh eukaryotic cell cycle. Mitoti as regulatory subunits. The accumulation and destruct dephosphorylation of this p control. Alternatively splice	(CDK1) Homo sapiens The protein encoded by this er/Thr protein kinase family. This protein is a catalytic erved protein kinase complex known as M-phase hich is essential for G1/S and G2/M phase transitions of ic cyclins stably associate with this protein and function e kinase activity of this protein is controlled by cyclin ion through the cell cycle. The phosphorylation and protein also play important regulatory roles in cell cycle ed transcript variants encoding different isoforms have provided by RefSeq, Mar 2009],
matters needing Avoid repeated freezing ar attention	nd thawing!
Usage suggestions This product can be used i more information, please of	n immunological reaction related experiments. For consult technical personnel.

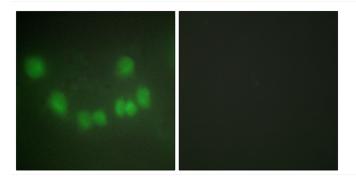




Products Images



Western Blot analysis of various cells using Cdk1/Cdc2 Polyclonal Antibody diluted at 1:2000

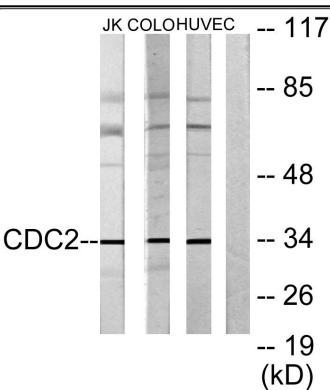


Immunofluorescence analysis of HUVEC cells, using CDC2 Antibody. The picture on the right is blocked with the synthesized peptide.

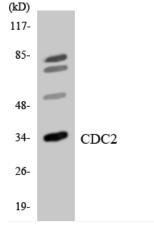
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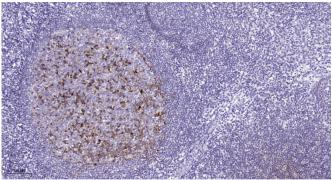




Western blot analysis of lysates from COLO205, HUVEC, and Jurkat cells, using CDC2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using CDC2 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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