

Cdk1/Cdc2 (phospho Thr161) rabbit pAb

Cat No.:ES8103

For research use only

Overview

Product Name	Cdk1/Cdc2 (phospho Thr161) rabbit pAb	
Host species	Rabbit	
Applications	WB;IHC;IF;ELISA	
Species Cross-Reactivity	Human;Mouse;Rat	
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA:	
	1/5000. Not yet tested in other applications.	
Immunogen	The antiserum was produced against synthesized	
5	peptide derived from human CDK1/CDC2 around	
	the phosphorylation site of Thr161. AA	
	range:126-175	
Specificity	Phospho-Cdk1/Cdc2 (T161) Polyclonal Antibody	
	detects endogenous levels of Cdk1/Cdc2 protein	
	only when phosphorylated at T161.	
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and	
	0.02% sodium azide.	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Protein Name	Cyclin-dependent kinase 1	
Gene Name	CDK1	
Cellular localization	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 durin	
Purification	The antibody was affinity-purified from rabbit	
	antiserum by affinity-chromatography using	
	epitope-specific immunogen.	
Clonality	Polyclonal	
Concentration	1 mg/ml	
Observed band	0,	
Human Gene ID	983	
Human Swiss-Prot Number	P06493	
Alternative Names	CDK1; CDC2; CDC28A; CDKN1; P34CDC2;	



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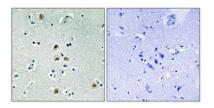


Background

Cyclin-dependent kinase 1; CDK1; Cell division control protein 2 homolog; Cell division protein kinase 1; p34 protein kinase

cyclin dependent kinase 1(CDK1) Homo sapiens 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009],

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by





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