

Mouse CDK1 / CDC2 Monoclonal Antibody | anti-CDK1 antibody

Mouse Monoclonal [clone POH-1] (IgG2a) to Human CDK1 / CDC2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51912	Mouse	Bovine, Human, Primate	Immunoprecipitation, Western Blot, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

CDK1 / CDC2; Monoclonal Antibody; Mouse Monoclonal [clone POH-1] (IgG2a) to Human CDK1 / CDC2; Anti-CDK1 / CDC2 Antibody (clone POH-1) IHC-plus; CDK1; CDC28A; CDC2; CDKN1; Cyclin-dependent kinase 1; p34 protein kinase; p34CDC2; CDC2a; Cell cycle controller CDC2; Cell division protein kinase 1; PSTAIR; Human CDK1; anti-CDK1 antibody

PRODUCT SPECIFICATIONS

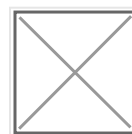
Host	Mouse
Reactivity	Bovine, Human, Primate
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	POH-1
Specificity	The antibody POH-1 specifically detects Cdk1 (p34Cdc2). Staining of Cdk1 reflects the proliferating potential of respective tissue.
Purity/Purification	Protein A Purified
Form/Format	PBS, 15 mM sodium azide, approx., pH 7.4.
Sequence Length	297
Applicable Applications for anti-CDK1 antibody	IP (Immunoprecipitation), WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Target Species	Human
Non Reactive Species	Drosophila, Xenopus, Mouse, Rat
Immunogen Description	Recombinant human cdc2 protein.
Immunogen Type	Recombinant protein
Immunogen	CDK1 / CDC2 antibody was raised against recombinant human cdc2 protein.
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Anti-Cdc2 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.



IHC (Immunohistochemistry)

Anti-Cdc2 antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1 antibody	CDC2/CDK1, a CDC2/CDK -type protein kinase, regulates cell cycle transitions G1 to S and G2 to M. CDC2/CDK1 is maintained in an inactive state by phosphorylation by kinases MYT1 and WEE1. The active kinase, called the M-phase promoting factor, consists of a heterodimer with cyclin B, and final activation at G2/M results from CDC25 phosphatase-mediated dephosphorylation of CDC2/CDK1.
Product Categories/Family for anti-CDK1 antibody	Family: Protein Kinase; Subfamily: CDC2/CDK

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502709
NCBI GeneID	983
NCBI Accession #	NP_001777.1
NCBI GenBank Nucleotide #	NM_001786.4
UniProt Accession #	P06493; O60764; A8K7C4; C9J497
Molecular Weight	27,503 Da
NCBI Official Full Name	cyclin-dependent kinase 1 isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 1
NCBI Official Symbol	CDK1
NCBI Official Synonym Symbols	CDC2; CDC28A; P34CDC2
NCBI Protein Information	cyclin-dependent kinase 1; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	CDK1
UniProt Synonym Gene Names	CDC2; CDC28A; CDKN1; P34CDC2; CDK1
UniProt Entry Name	CDK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.