

Rabbit anti-Human CDK1/2 Monoclonal Antibody | anti-CDK1/CDK2 antibody

CDK1/2 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28591	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

CDK1/2; Monoclonal Antibody; CDK1/2 Rabbit PolymAb; CDC2; CDC28A; P34CDC2; CDKN2; p33(CDK2); anti-CDK1/CDK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RRALFPGDSE IDQLFRIFRT LGTPDEVVWP GVTSMPPDYKP SFPKWARQDF SKVVPPLDED GRSLLSQMLH YDPNKRISAK AALAHPPFQD VTKPVPHLRL
Applicable Applications for anti-CDK1/CDK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:3000-1:12000 IHC-P: 1:200-1:2000 IF/ICC: 1:200-1:800 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 199-298 of human CDK1/2 (P24941).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human colon tissue using CDK1/2 Rabbit PolymAb® (AAA28591, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



IHC (Immunohistochemistry)

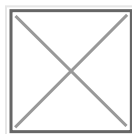
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using CDK1/2 Rabbit PolymAb® (AAA28591) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

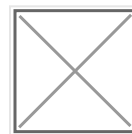
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CDK1/2 Rabbit PolymAb® (AAA28591) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using CDK1/2 Rabbit PolymAb® (AAA28591) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CDK1/2 Rabbit PolymAb® (AAA28591) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using CDK1/2 Rabbit PolymAb® (AAA28591) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1/CDK2 antibody	This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-CDK1/CDK2 antibody	Epigenetics Nuclear Signaling ; DNA Damage Repair ; Protein phosphorylation ; Cancer ; Signal Transduction ; Kinase ; Serine threonine kinases ; ATM Signaling Pathway ; Cell Biology Developmental Biology ; Cell Cycle ; Centrosome ; Cell Cycle Control-G1 S Checkpoint

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502709
NCBI GeneID	983/1017
NCBI Accession #	NP_001777.1
NCBI GenBank Nucleotide #	NM_001786.4
UniProt Accession #	P06493 ; P24941
Molecular Weight	Calculated MW: 34kDa Observed MW: 33kDa/34kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdk1-2-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28591>