

Mouse anti-Human CDK2 Monoclonal Antibody | anti-CDK2 antibody

CDK2 (Cell Division Protein Kinase 2, p33 Protein Kinase) (HRP)

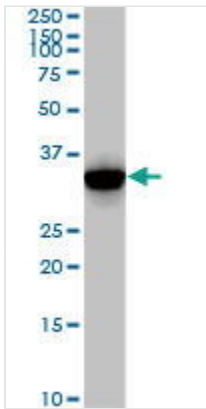
CATALOG # AAA25348	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

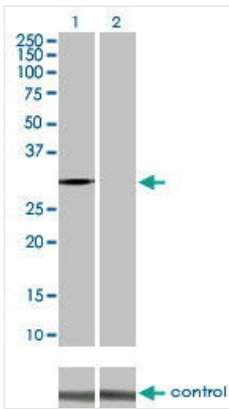
CDK2; Monoclonal Antibody; CDK2 (Cell Division Protein Kinase 2; p33 Protein Kinase) (HRP); anti-CDK2 antibody

PRODUCT SPECIFICATIONS

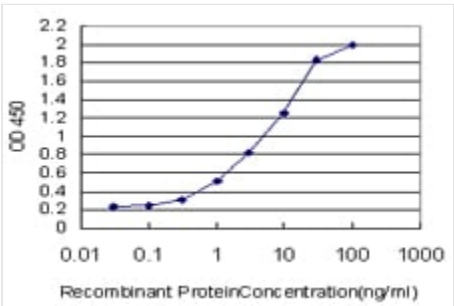
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2E8
Specificity	Recognizes human CDK2.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-CDK2 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa211-298 from human CDK2 (AAH03065) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	QLFRIFRTLGTPEVVWPGVTSMPTDYKPSFPKWARQDFSKVVPPLDEGRSLLSQMLHYDPNKRISAKAALAHPPFQDVTKPVPHRL
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



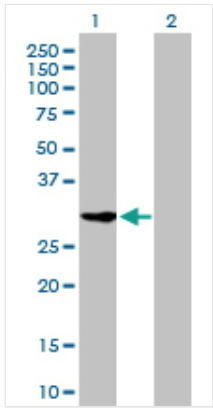
WB (Western Blot)
CDK2 monoclonal antibody. Western Blot analysis of CDK2 expression in Jurkat.



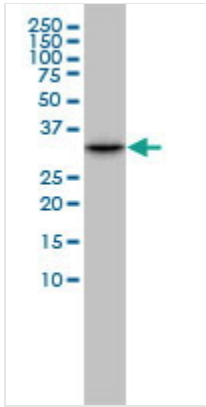
WB (Western Blot)
Western blot analysis of CDK2 over-expressed 293 cell line, cotransfected with CDK2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with CDK2 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



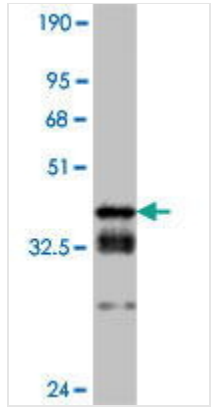
Application Data
Detection limit for recombinant GST tagged CDK2 is ~0.03ng/ml as a capture antibody.



WB (Western Blot)
Western Blot analysis of CDK2 expression in transfected 293T cell line by CDK2 monoclonal antibody. Lane 1: CDK2 transfected lysate (33.9kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
CDK2 monoclonal antibody, Western Blot analysis of CDK2 expression in HL-60.



WB (Western Blot)
Western Blot detection against Immunogen (35.42kD).

ADDITIONAL INFORMATION

Related Product Information for anti-CDK2 antibody

CDK2 a serine/threonine protein kinase, is a member of a highly conserved family of protein kinases that regulate the eukaryotic cell cycle. The protein kinase is homologous to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. For activity, it requires association with a cyclins which act as the positive regulatory subunit. It forms complex with cyclins A, E, D1, and D3. Cyclin E- CDK2 kinase is active in the G1 and S phases of the cell cycle and is important for the progression from G1 to S phase. The levels of Cyclin A- CDK2 are maximal at the G1/S transition and both CDK2 and Cyclin A associate with DNA in the initiation complex during replication.

Product Categories/Family for anti-CDK2 antibody

[Antibodies](#); [Protein Kinases](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	33869456
NCBI GeneID	1017
Molecular Weight	30,035 Da
NCBI Official Full Name	Homo sapiens cyclin-dependent kinase 2, mRNA
NCBI Official Synonym Full Names	cyclin dependent kinase 2
NCBI Official Symbol	CDK2
NCBI Official Synonym Symbols	CDKN2; p33(CDK2)
NCBI Protein Information	cyclin-dependent kinase 2

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/cdk2-antibody-clone-2e8-western-blot-elisa/25348>