

Cdk2 Polyclonal Antibody | anti-CDK2 antibody

Anti-Cdk2 Antibody

CATALOG # AAA46308	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	--	---

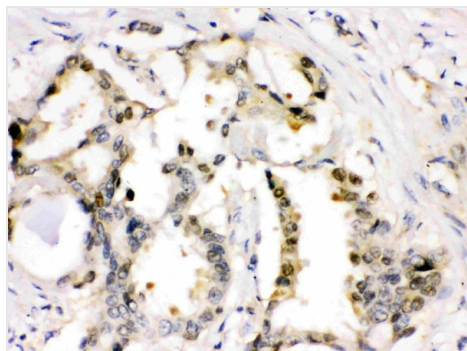
PRODUCT SYNONYMS

Cdk2; Polyclonal Antibody; Anti-Cdk2 Antibody; Cyclin-dependent kinase 2; Cdc2 related protein kinase; cdc2-related protein kinase; Cdk 2; CDK2; CDK2_HUMAN; Cell division kinase 2; Cell division kinase 2; Cell division protein kinase 2; Cyclin dependent kinase 2; cyclin dependent kinase 2-alpha; p33 protein kinase; p33(CDK2) antibody; cyclin-dependent kinase 2; anti-CDK2 antibody

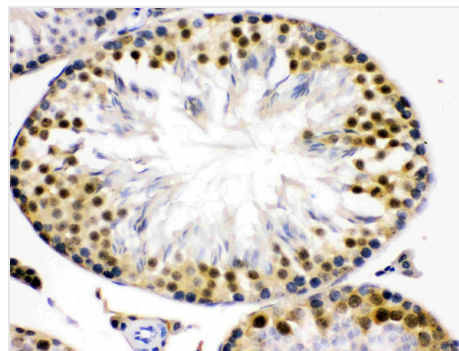
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	238
Applicable Applications for anti-CDK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Cdk2 recombinant protein (Position: E81-L298). Human Cdk2 shares 98.6% amino acid (aa) sequence identity with rat Cdk2.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

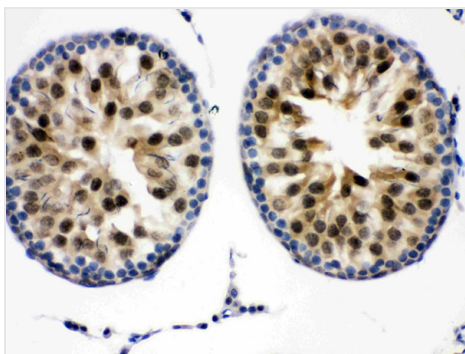
IMAGES



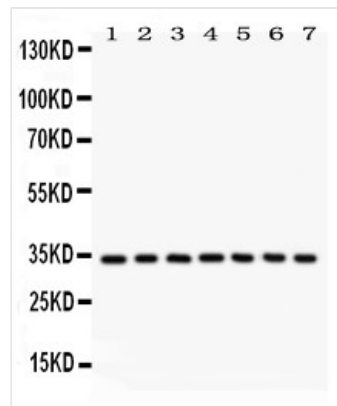
IHC (Immunohistochemistry)
Anti- Cdk2 Picoband antibody, AAA46308,IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemisry)
Anti- Cdk2 Picoband antibody, AAA46308,IHC(P)IHC(P): Rat Testis Tissue



IHC (Immunohistochemistry)
Anti- Cdk2 Picoband antibody, AAA46308,IHC(P)IHC(P): Mouse Testis Tissue



WB (Western Blot)
Anti- Cdk2 Picoband antibody, AAA46308, Western blottingAll lanes: Anti Cdk2 (AAA46308) at 0.5ug/mlLane 1: Rat Kidney Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: Human Placenta Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: HUT Whole Cell Lysate at 40ugLane 6: JURKAT Whole Cell Lysate at 40ugLane 7: A549 Whole Cell Lysate at 40ugPredicted bind size: 34KDObserved bind size: 34KD

ADDITIONAL INFORMATION

Related Product Information for anti-CDK2 antibody	Description: Rabbit IgG polyclonal antibody for Cyclin-dependent kinase 2(CDK2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: CDK2, Cyclin-Dependent Kinase2, is also known as P33. The CDK2 protein was highly homologous to p34(CDC2) kinase and more significantly homologous to Xenopus Eg1 kinase, suggesting that CDK2 is the human homolog of Eg1. The CDK2 gene is mapped to 12q13, the same region to which the CDK4 gene maps. Human cyclin A binds independently to 2 kinases, p34(cdc2) or p33. In adenovirus-transformed cells, the viral E1A oncoprotein seems to associate with p33/cyclin A but not with p34(cdc2)/cyclin A. The gene for p33 shares 65% sequence identity with p34(cdc2). P33(cdk2) plays a unique role in cell cycle regulation of vertebrate cells.
References	1. Demetrick, D. J., Zhang, H., Beach, D. H.Chromosomal mapping of human CDK2, CDK4, and CDK5 cell cycle kinase genes.Cytogenet. Cell Genet. 66: 72-74, 1994. 2. Tsai, L.-H., Harlow, E., Meyerson, M.Isolation of the human cdk2 gene that encodes the cyclin A- and adenovirus E1A-associated P33 kinase.Nature 353: 174-177, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	589811557
NCBI GeneID	1017
NCBI Accession #	NP_001277159.1
NCBI GenBank Nucleotide #	NM_001290230.1
UniProt Accession #	P24941; O75100; A8K7C6
Molecular Weight	30,035 Da
NCBI Official Full Name	cyclin-dependent kinase 2 isoform 3
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
UniProt Protein Name	Cyclin-dependent kinase 2
UniProt Gene Name	CDK2

UniProt Synonym Gene Names	CDKN2
UniProt Entry Name	CDK2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdk2-antibody-immunohistochemistry-western-blot-elisa/46308>