

Rabbit CDKN1A Polyclonal Antibody | anti-CDKN1A antibody

CDKN1A Antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197097	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Sheep	Immunohistochemistry

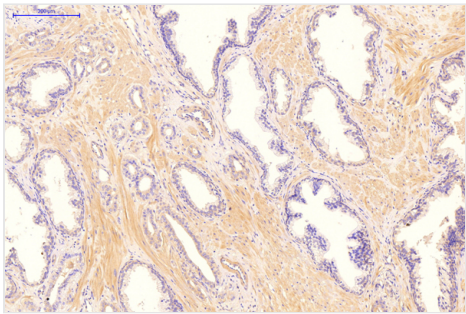
PRODUCT SYNONYMS

CDKN1A; Polyclonal Antibody; CDKN1A Antibody - N-terminal region; anti-CDKN1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/mL (varies by lot)
Sequence	Synthetic peptide with the following sequence: KA CRRLFGPVDS EQLSRDCDAL MAGCIQEARE RWNFDFVTET PLEGDFAW
Sequence Length	164
Applicable Applications for anti-CDKN1A antibody	IHC (Immunohistochemistry)
Protein Size (# AA)	164 amino acids
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 92%; Guinea Pig: 92%; Horse: 83%; Human: 100%; Mouse: 92%; Pig: 100%; Rabbit: 92%; Rat: 100%; Sheep: 100%;
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human CDKN1A
Protein Interactions	CCND1; PCNA; KRT31; TRIM54; TEX11; IKZF3; UBC; TRAF1; TCF4; SKP2; CCND3; CCND2; PHKG2; PHKA1; NCL; HSPA9; HSPA8; HSPA5; HSPA2; HSPA1A; HNRNPA2B1; CDK2; CDK5; CDK4; CDK3; CDC20; CCNE1; CCNB1; CCNA2; CAMK2D; ABR; GIGYF2; ANKRD17; UBR4; SNRNP200; FBXO21; PUF
Blocking Peptide	For anti-CDKN1A antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Sample Type: Diseased Human ProstateSample Type :Diseased Human ProstatePrimary
Antibody Dilution :20ug/mLColor/Signal Descriptions:CDKN1A (DAB; brown), nuclei (hematoxylin; blue)Gene Name:CDKN1A

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN1A antibody	This is a rabbit polyclonal antibody against CDKN1A. It was validated on Western Blot Target Description: This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Multiple alternatively spliced variants have been found for this gene.
Product Categories/Family for anti-CDKN1A antibody	Polyclonal; Transcription Factor; DNA Damage & Repair; Apoptosis; Meiosis/Mitosis/Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978495
NCBI GeneID	1026
NCBI Accession #	NP_510867
NCBI GenBank Nucleotide #	NM_078467
UniProt Accession #	Q6FI05; P38936
Molecular Weight	18kDa
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1 isoform 1
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 1A
NCBI Official Symbol	CDKN1A
NCBI Official Synonym Symbols	P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1
UniProt Gene Name	CDKN1A
UniProt Synonym Gene Names	CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; MDA-6
UniProt Entry Name	CDN1A_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/polyclonal/cdkn1a-antibody-immunohistochemistry-elisa/197097>