

Rabbit CDKN1A Polyclonal Antibody | anti-CDKN1A antibody

CDKN1A Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA168242	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

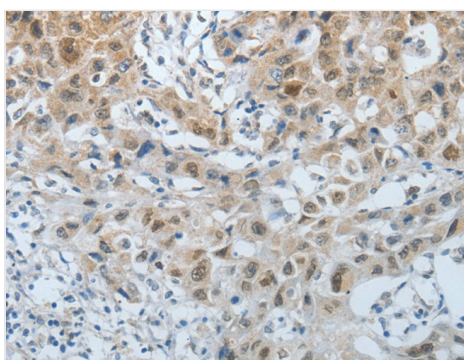
PRODUCT SYNONYMS

CDKN1A; Polyclonal Antibody; CDKN1A Polyclonal Antibody; P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1; anti-CDKN1A antibody

PRODUCT SPECIFICATIONS

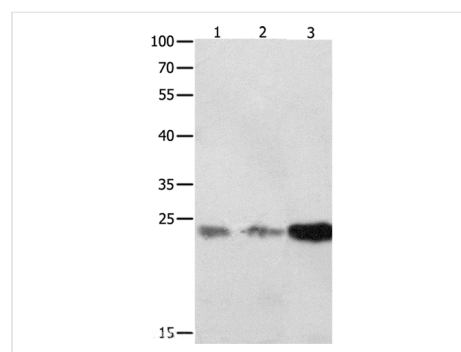
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	0.5mg/mL (varies by lot)
Sequence Length	198
Applicable Applications for anti-CDKN1A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant protein of human CDKN1A
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer using CDKN1A Polyclonal Antibody at dilution of 1:15



WB (Western Blot)

Western Blot analysis of 293T cell, Human brain malignant glioma and liver cancer tissue using CDKN1A Polyclonal Antibody at dilution of 1:250

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN1A antibody	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	Cell biology; Epigenetics

NCBI AND UNIPROT INFORMATION

NCBI GI #	614458211
NCBI GeneID	1026
NCBI Accession #	NP_001278478.1
NCBI GenBank Nucleotide #	NM_001291549.1
Molecular Weight	18,119 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1 isoform 2
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
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; CDK-interacting protein 1; CDK-interaction protein 1; DNA synthesis inhibitor; melanoma differentiation associated protein 6; wild-type p53-activated fragment 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-western-blot-elisa/168242>