

Rabbit anti-Human CDKN2A Polyclonal Antibody | anti-CDKN2A antibody

CDKN2A Polyclonal Antibody

CATALOG # AAA280788	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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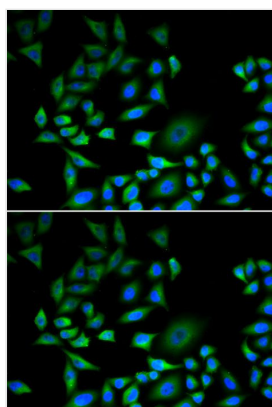
PRODUCT SYNONYMS

CDKN2A; Polyclonal Antibody; CDKN2A Polyclonal Antibody; ARF; CDK4I; CDKN2; CMM2; INK4; INK4A; MLM; MTS-1; MTS1; P14; P14ARF; P16; P16-INK4A; P16INK4; P16INK4A; P19; P19ARF; TP16; anti-CDKN2A antibody

PRODUCT SPECIFICATIONS

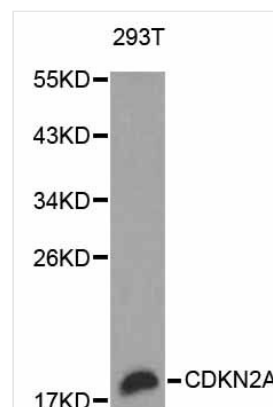
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	156
Applicable Applications for anti-CDKN2A antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human CDKN2A
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using CDKN2A antibody.



WB (Western Blot)

Western blot analysis of extracts of 293T cells, using CDKN2A antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN2A antibody	This gene generates several transcript variants which differ in their first exons. At least three alternatively spliced variants encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 Kb upstream of the remainder of the gene; this transcript contains an alternate open reading frame (ARF) that specifies a protein which is structurally unrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, the E3 ubiquitin-protein ligase MDM2, a protein responsible for the degradation of p53. In spite of the structural and functional differences, the CDK inhibitor isoforms and the ARF product encoded by this gene, through the regulatory roles of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cell cycle G1 control. This gene is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene.
Product Categories/Family for anti-CDKN2A antibody	Primary antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	3041660
NCBI GeneID	1029
UniProt Accession #	P42771; O95440; Q15191; Q5VVJ5; Q96B52; Q9NP05; A5X2G7; D3DRK1; Q8N726
Molecular Weight	17kDa
NCBI Official Full Name	Cyclin-dependent kinase inhibitor 2A
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 2A
NCBI Official Symbol	CDKN2A
NCBI Official Synonym Symbols	ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A
NCBI Protein Information	cyclin-dependent kinase inhibitor 2A
UniProt Protein Name	Cyclin-dependent kinase inhibitor 2A
UniProt Gene Name	CDKN2A
UniProt Synonym Gene Names	CDK4I; MTS-1; p16-INK4; p16INK4A

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/cdkn2a-antibody-immunofluorescence-western-blot-elisa/280788>