

Rabbit anti-Human p16INK4a Polyclonal Antibody | anti-p16INK4a antibody

Rabbit anti-p16INK4a Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211386	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

p16INK4a; Polyclonal Antibody; Rabbit anti-p16INK4a Antibody; Affinity Purified; P16-INK4A; multiple tumor suppressor 1; P14ARF; P16; P16INK4; MTS1; P16INK4A; MTS-1; P19; P19ARF; TP16; p16-INK4; ARF; P14; alternative reading frame; MLM; CDK4 inhibitor p16-INK4; CDK4I; CDKN2; CMM2; cyclin-dependent kinase 4 inhibitor A; cyclin-dependent kinase inhibitor 2A; cyclin-dependent kinase inhibitor 2A (melanoma; p16; inhibits CDK4); INK4; INK4A; cell cycle negative regulator beta; Cyclin-dependent kinase inhibitor 2A; cyclin dependent kinase inhibitor 2A; anti-p16INK4a antibody

PRODUCT SPECIFICATIONS

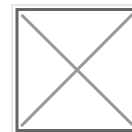
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-p16INK4a antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 106 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human p16INK4a by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-p16INK4a antibody AAA211386 (lot AAA211386-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human p16INK4a by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-p16INK4a antibody AAA211386 (lot AAA211386-3) used for IP at 6 ug per reaction. p16INK4a was also immunoprecipitated by a previous lot of this antibody (lot AAA211386). For blotting immunoprecipitated p16INK4a, AAA211386 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human p16INK4a by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-p16INK4a (Cat. No. AAA211386 Lot3) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-p16INK4a antibody	p16INK4a is a negative regulator of CDK4 and CDK6 kinase activity and cell cycle progression. p16INK4a regulates the cell cycle by inhibiting cyclin/CDK complex formation and the phosphorylation of the retinoblastoma protein (pRb). The gene which encodes p16INK4a, CDKN2A, is frequently mutated or deleted in a wide variety of tumors and is known to be an important tumor suppressor gene. The CDKN2A gene also generates a distinct transcript variant and protein, p14ARF, from an alternate open reading frame (ARF).
Product Categories/Family for anti-p16INK4a antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502749
NCBI GeneID	1029
NCBI Accession #	NP_000068.1
NCBI GenBank Nucleotide #	NM_000077.4
UniProt Accession #	P42771; O95440; Q15191; Q5VVJ5; Q96B52; Q9NP05; A5X2G7; D3DRK1; Q8N726
Molecular Weight	16,533 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 2A isoform p16INK4a
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; CDK4 inhibitor p16-INK4; multiple tumor suppressor 1; cell cycle negative regulator beta; cyclin-dependent kinase 4 inhibitor A; cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)
UniProt Protein Name	Cyclin-dependent kinase inhibitor 2A, isoforms 1/2/3
UniProt Gene Name	CDKN2A
UniProt Synonym Gene Names	CDKN2; MTS1; CDK4I; MTS-1; p16-INK4; p16INK4A
UniProt Entry Name	CD2A1_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/p16ink4a-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211386>