

Mouse anti-Human, Rat P16 Monoclonal Antibody | anti-P16 antibody

Mouse Monoclonal Antibody to P16 (Mouse and Human)

CATALOG # AAA268240	HOST Mouse	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

P16; Monoclonal Antibody; Mouse Monoclonal Antibody to P16 (Mouse and Human); ARF; MLM; p14; p16; p19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4a; p14ARF; p16INK4; p16INK4a; CDKN2A; anti-P16 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	2D9A12
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Concentration	0.5 mg/ml (varies by lot)
Applicable Applications for anti-P16 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of P16 expressed in E. Coli.
Preparation and Storage	4°C; -20°C for long term storage.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat liver tissue (A), human brain tissue (B) and brain tumor (C), showing nuclear localization using P16 mouse mAb (AAA268240) with DAB staining.



WB (Western Blot)

Western blot analysis using P16 mouse mAb (AAA268240) against truncated P16 recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-P16 antibody

The progression of cells through the cell cycle is regulated by a family of protein kinases known as cyclin-dependent kinases (Cdks). The sequential activation of individual members of this family and their consequent phosphorylation of critical substrates promotes orderly progression through the cell cycle. The cyclins function as differentially expressed positive regulators of Cdks. Negative regulators of the cycle include the p53-inducible 21 kDa WAF1/Cip1 protein designated p21, Kip1 p27 and p16. The complexes formed by Cdk4 and the D-type cyclins have been strongly implicated in the control of cell proliferation during the G1 phase. It has recently been shown that p16 binds to Cdk4 and inhibits the catalytic activity of the Cdk4/cyclin D complex. Moreover, the gene encoding p16 exhibits a high frequency of homozygous deletions and point mutations in established human tumor cell lines.

NCBI AND UNIPROT INFORMATION

NCBI GI #	89355819
NCBI GeneID	1029
NCBI Official Full Name	p16, partial
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/monoclonal/p16-antibody-clone-2d9a12-immunohistochemistry-western-blot-elisa/268240>