

p16INK4a recombinant antibody

Mouse anti-p16INK4a Recombinant Monoclonal Antibody [BC42]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213691	Mouse	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot

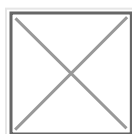
PRODUCT SYNONYMS

p16INK4a; Monoclonal Recombinant Antibody; Mouse anti-p16INK4a Recombinant Monoclonal Antibody [BC42]; 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; p16INK4a recombinant antibody

PRODUCT SPECIFICATIONS

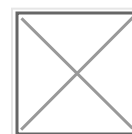
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	BC42
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for p16INK4a recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Human p16 INK4A
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 SK-MEL-28, HeLa, OVCAR-3, and OVCAR-8 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-p16INK4a recombinant monoclonal antibody [BC42] (AAA213691 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



IHC (Immunohistochemistry)

Detection of human p16INK4a by immunohistochemistry. Sample: FFPE section of ovarian carcinoma. Antibody: Mouse anti-p16INK4a recombinant monoclonal antibody [BC42] (AAA213691). Secondary: HRP-conjugated goat anti-mouse IgG .



ICC (Immunocytochemistry)

Detection of human p16INK4a by immunocytochemistry. Sample: FFPE section of OVCAR-8 cells. Antibody: Mouse anti-p16INK4a recombinant monoclonal antibody [BC42] (AAA213691). Secondary: HRP-conjugated goat anti-mouse IgG .



FCM/FACS (Flow Cytometry)

Detection of human p16INK4a (shaded) in HeLa cells by flow cytometry. Antibody: Mouse anti-p16INK4a recombinant monoclonal antibody [BC42] (AAA213691) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-mouse IgG .

ADDITIONAL INFORMATION

Related Product Information for p16INK4a recombinant 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 p16INK4a recombinant 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/monoclonal/p16ink4a-recombinant-antibody-clone-bc42-flow-cytometry-immunocytochemistry-immunohistochemistry-western-blot-elisa/213691>