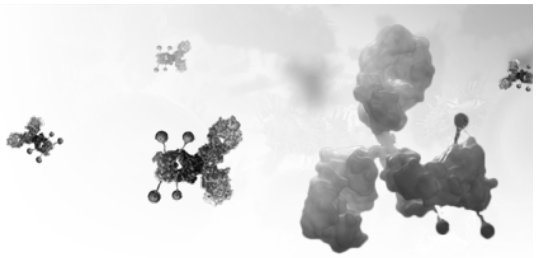

Rabbit Anti-Human CDKN2A monoclonal antibody, clone TV1813 (CABT-BL8496)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	p16INK4A
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TV1813
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	17 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	HepG2, PC-3M, Hela, human colon cancer tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The progression of cells through the cell cycle is regulated by a family of proteins designated cyclin-dependent kinases (Cdks). Sequential activation of individual members of this family and their consequent phosphorylation of critical substrates, promote orderly progression through the cell cycle. The protein p16INK4A, identified as a negative regulator of the cell cycle, has been shown to bind to and inhibit the activity of the Cdk4/cyclin D complex. p19 ARF, which is unrelated to p16, arises from transcription of an alternative reading frame of the p16 gene. Like p16, p19 ARF has been shown to induce cell cycle arrest. Mice lacking p19 ARF but expressing functional p16 have been shown to develop tumors early in life. Further studies have indicated that p19 ARF may be disrupted in a large percentage of human T cell acute lymphoblastic leukemias.
Keywords	CCM2;CDK4 inhibitor p16 INK4;CDK4I;CDKN2;CDKN2A;Cell cycle negative regulator beta;CMM2;Cyclin dependent kinase 4 inhibitor A;Cyclin dependent kinase inhibitor 2A (melanoma p16 inhibits CDK4);Cyclin Dependent Kinase Inhibitor 2A;Cyclin dependent kinase inhibitor 2A isoform 4;Cyclin dependent kinase inhibitor 2A isoforms 1/2/3;Cyclin dependent kinase inhibitor p16;INK4;INK4A;MLM;MTS1;Multiple tumor suppressor 1;p14;p16;P16INK4;p16INK4a;p19;p19Arf;TP16 antibody

GENE INFORMATION

Entrez Gene ID	1029
UniProt ID	K7PML8

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