CDKN2D Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDKN2D, Polyclonal Antibody
Full Product Name	CDKN2D (Cyclin-Dependent Kinase Inhibitor 2D (p19, inhibits CDK4), INK4D, p19, p19-INK4D) (MaxLight 550)
Product Gene Name	anti-CDKN2D antibody
Product Synonym Names	Cyclin-Dependent Kinase Inhibitor 2D (p19; inhibits CDK4); INK4D; p19; p19-INK4D
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified
Specificity	Recognizes human CDKN2D.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,700 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (10677138..10679655, complement). Location: 19p13
OMIM	600927
3D Structure	ModBase 3D Structure for P55273
Immunogen	CDKN2D (NP_001791.1, 1aa-166aa) full-length human protein.
Immunogen Sequence	MLLEEVRAGDRLSGRGDVQEVRRLLHRELVHPDALNRFGKTALQVMMFGSTAIALELLKQGASPNVQDTSGTSPVHDAARTGFLDTLKVLVEHGADVNV
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-CDKN2D antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-CDKN2D antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-CDKN2D antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-CDKN2D antibody	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable c cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle depende negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. T reported. [provided by RefSeq]
Other Notes	Small volumes of anti-CDKN2D antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CDKN2D purchase	MBS6450713 is an antibody targeting CDKN2D. Also known as CDKN2D (Cyclin-Dependent Kinase Inhibitor 2D (p19, inhibits CDK4), INK4D, p19, p19

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDKN2D. It may not necessarily be applicable to this product.

NCBI GI #	4502753
NCBI GeneID	1032
NCBI Accession #	NP_001791.1
UniProt Primary Accession #	P55273
UniProt Secondary Accession #	Q13102; Q6FGE9
UniProt Related Accession #	P55273
GenBank Nucleotide #	NM_001800.3
NCBI Official Full Name	cyclin-dependent kinase 4 inhibitor D
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
NCBI Official Symbol	CDKN2D
NCBI Official Synonym Symbols	p19; INK4D; p19-INK4D
UniProt Protein Name	Cyclin-dependent kinase 4 inhibitor D
UniProt Synonym Protein Names	p19-INK4d
Protein Family	Cyclin-dependent kinase 4 inhibitor
UniProt Gene Name	CDKN2D
UniProt Entry Name	CDN2D_HUMAN
NCBI Protein Information	cyclin-dependent kinase 4 inhibitor D; CDK inhibitor p19INK4d; inhibitor of cyclin-dependent kinase 4d; cyclin-dependent kinase 4 inhibitor D p19; cell cycle inhibitor, Nur77 associating protein
UniProt Comments for CDKN2D	CDKN2D: Interacts strongly with CDK4 and CDK6 and inhibits them. Belongs to the CDKN2 cyclin-dependent kinase inhibitor family. Protein type: Tumor suppressor; Inhibitor; Cell cycle regulation Chromosomal Location of Human Ortholog: 19p13 Cellular Component: cytoplasm; nucleus; cytosol Molecular Function: cyclin-dependent protein kinase inhibitor activity; protein binding; protein kinase binding Biological Process: response to retinoic acid; negative regulation of caspase activity; negative regulation of cell proliferation; DNA synthesis during DNA repair; response to vitamin D; sensory perception of sound; autophagic cell death; negative regulation of phosphorylation; regulation of cyclin-dependent protein kinase activity; mitotic cell cycle; negative regulation of cell growth; cell cycle arrest; G1/S transition of mitotic cell cycle; response to UV

Research Articles on CDKN2D	**1.** Up-regulation of CDKN2D during in-vitro passages of human amniotic fluid-derived mesenchymal stromal cells may indicate the begging of early senescence process in a p53-independent mechanism.
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