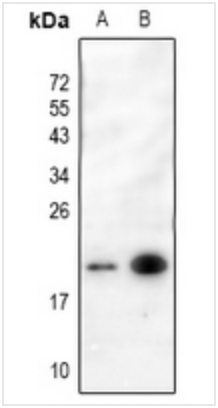
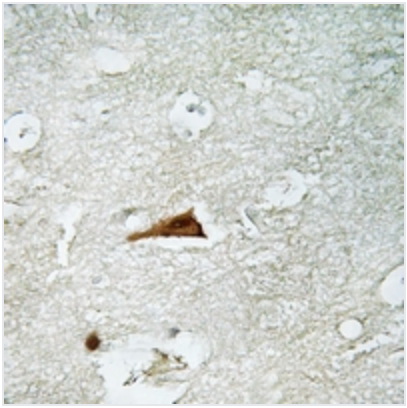
p19-INK4d Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	p19 INK4d (p19-INK4d), Polyclonal Antibody
Full Product Name	Anti-p19 INK4d Antibody
Product Gene Name	anti-p19-INK4d antibody
Product Synonym Gene Name	CDKN2D
Product Synonym Names	Cyclin-dependent kinase 4 inhibitor D
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Monkey
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of p19 INK4d protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
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	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human p19 INK4d. The exact sequence is proprietary.
Applications Tested/Suitable for anti-p19-INK4d antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-p19-INK4d antibody	WB: 1:500-1:1000 IHC: 1:50-1:200
Related Product Information for anti-p19-INK4d antibody	MBS8305539 is an antibody targeting p19-INK4d. Also known as Anti-p19 INK4d Antibody. Reactive in Human, Monkey. Host: Rabbit. Rabbit polyclonal antibody to p19 INK4d
Other Notes	Small volumes of anti-p19-INK4d antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-p19-INK4d antibody
Western blot analysis of p19 INK4d expression in Myla2059 (A), K562 (B) whole cell lysates.



Immunohistochemistry (IHC) of anti-p19-INK4d antibody
Immunohistochemical analysis of p19 INK4d staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for p19-INK4d. 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
NCBI Summary for p19-INK4d	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 complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a 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 dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported. [provided by RefSeq, Jul 2008]

UniProt Comments for p19-INK4d	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 p19-INK4d	**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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-p19-ink4d-human-monkey-antibody/p19-ink4d/8305539