Product Datasheet

CDKN2D antibody

Catalog No: #39004

Package Size: #39004-1 50ul #39004-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

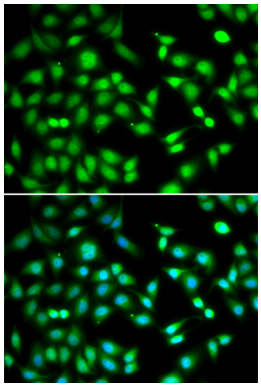
Product Name	CDKN2D antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CDKN2D protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CDKN2D.
Target Name	CDKN2D
Other Names	p19; INK4D; p19-INK4D;
Accession No.	Swiss-Prot#: P55273NCBI Gene ID: 1032
Uniprot	P55273
GeneID	1032;
SDS-PAGE MW	18kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:2000

Immunofluorescence: 1:50 - 1:100

Images



Immunofluorescence analysis of HeLa cell using CDKN2D antibody. Blue: DAPI for nuclear staining.

Background

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.

Note: This product is for in vitro research use only