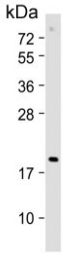
CDKN2D Antibody / p19-INK4d (F55034)

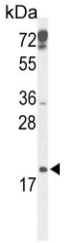
Catalog No.	Formulation	Size
F55034-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55034-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

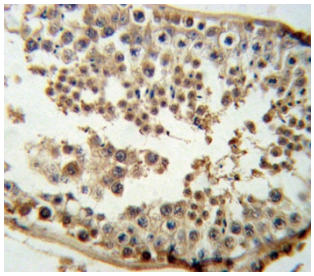
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P55273
Localization	Cytoplasmic, nuclear
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This CDKN2D antibody is available for research use only.



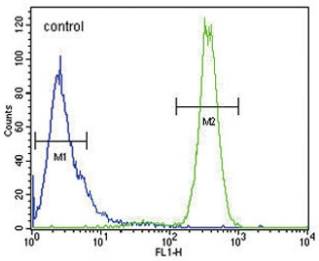
Western blot testing of human Jurkat cell lysate with CDKN2D antibody. Predicted molecular weight ~18 kDa.



Western blot testing of mouse testis tissue lysate with CDKN2D antibody. Predicted molecular weight ~18 kDa.



IHC testing of FFPE human testis tissue with CDKN2D antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HeLa cells with CDKN2D antibody; Blue=isotype control, Green= CDKN2D antibody.

Description

p19 / Cyclin-dependent kinase 4 inhibitor D 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the CDKN2D antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 15-43 from the human protein was used as the immunogen for the CDKN2D antibody.

Storage

Aliquot the CDKN2D antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.