ARG54677
anti-p19 INK4d antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes p19 INK4d
Tested Reactivity	Hu, Ms
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	p19 INK4d
Species	Human
Immunogen	KLH-conjugated synthetic peptide within 15-43 aa (N-terminus) of Human p19 INK4d protein (NP_001791.1).
Conjugation	Un-conjugated
Alternate Names	p19-INK4D; p19; Cyclin-dependent kinase 4 inhibitor D; p19-INK4d; INK4D

Application Instructions

Application table

Application	Dilution
FACS	1:10 - 1:50
IHC-P	Assay-dependent
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse testis

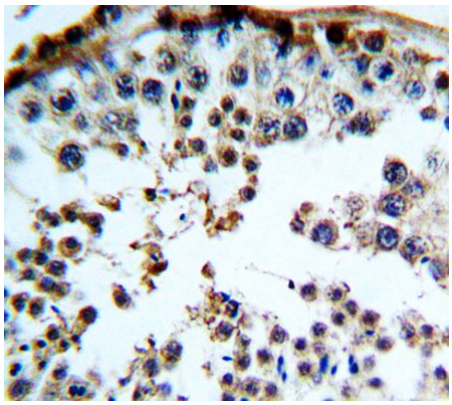
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

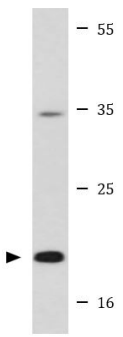
Database links	GeneID: 1032 Human GeneID: 12581 Mouse Swiss-port # P55273 Human Swiss-port # Q60773 Mouse
Gene Symbol	CDKN2D
Gene Full Name	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)
Background	P19 is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been 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]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody
Calculated Mw	18 kDa
Cellular Localization	Nucleus, Cytoplasm

Images



ARG54677 anti-p19 INK4d antibody IHC image

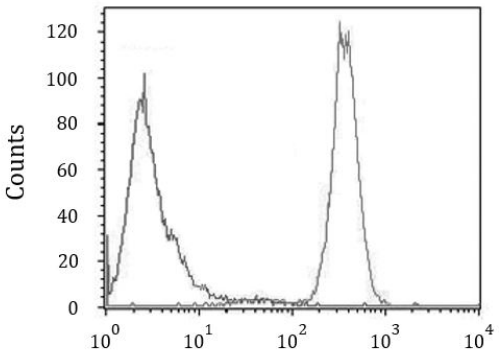
Immunohistochemistry: Formalin fixed and paraffin embedded testis tissue stained with ARG54677 anti-p19 INK4d antibody.



Mouse testis

ARG54677 anti-p19 INK4d antibody WB image

Western blot: 35 µg of Mouse testis lysate stained with ARG54677 anti-p19 INK4d antibody.



ARG54677 anti-p19 INK4d antibody FACS image

Flow Cytometry: HeLa cells stained with ARG54677 anti-p19 INK4d antibody (right histogram) or without primary antibody control (left histogram).