

Basic Information

Product Name	Anti-p16INK4a/CDKN2A Antibody	
Gene Name	CDKN2A	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human P16-INK4A/CDKN2A recombinant protein (Position: P48-D156).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	17 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	ImmunoPrecipitation (IP):	1:50
	Flow Cytometry (FCM):	1-3 µg/1x10 ⁶ cells
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

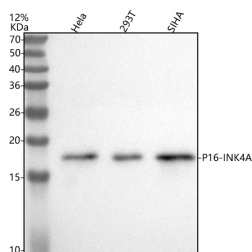
Background Information

The gene for CDK2NA generates several transcripts/proteins which differ from each other in their first exons. Three of these transcripts are generated by alternative splicing (isoform 1 a.k.a p16INK4A, isoform 2 and isoform 3 a.k.a p12), two of which are known to function as inhibitors of CDK4 kinase.

Reference

Anti-p16INK4a/CDKN2A Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of p16INK4a/CDKN2A using anti-p16INK4a/CDKN2A antibody (A00016-5). The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human SiHa whole cell lysates. After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-p16INK4a/CDKN2A antigen affinity purified polyclonal antibody (A00016-5) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for p16INK4a/CDKN2A at approximately 17 kDa. The expected band size for p16INK4a/CDKN2A is at 17 kDa.