

For Research Use Only

Multi-rAb® CDKN2A/P16-INK4A Multi-Recombinant antibody

Catalog Number: RMX00038



Basic Information

Catalog Number: RMX00038	GenBank Accession Number: BC021998	Purification Method: N/A
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1029	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: P42771	
Isotype: IgG	Full Name: cyclin-dependent kinase inhibitor 2A	
	Calculated MW: 16 kDa	
	Observed MW: 16-18 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, NIH/3T3 cells, HeLa cells, TF-1 cells, C6 cells

IHC : human cervical cancer tissue,

IF/ICC : HeLa cells,

Background Information

CDKN2A generates several transcript variants which differ in their first exons. At least three alternatively-spliced variants encoding distinct proteins were reported. Two of them named p16-INK4 and p14 are sharing 50% identity. The third one -p14(ARF) is entirely unrelated. P16 plays an essential role in regulating the cell cycle, and mutations in p16 increase the risk of developing various cancers, including melanoma.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

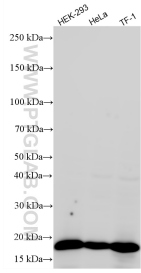
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

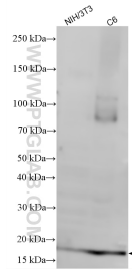
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

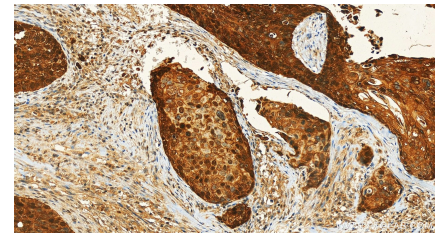
Selected Validation Data



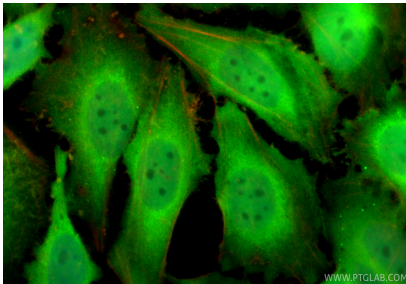
Various lysates were subjected to SDS PAGE followed by western blot with RMX00038 (CDKN2A/P16-INK4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using RMX00038 (CDKN2A antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDKN2A antibody (RMX00038) at dilution of 1:400 and CoralLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).