

For Research Use Only

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

Catalog Number: RMX00038



## Basic Information

<b>Catalog Number:</b> RMX00038	<b>GenBank Accession Number:</b> BC021998	<b>Purification Method:</b> N/A
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 1029	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P42771	<b>IHC:</b> 1:250-1:1000 <b>IF/ICC:</b> 1:200-1:800
	<b>Full Name:</b> cyclin-dependent kinase inhibitor 2A	
	<b>Calculated MW:</b> 16 kDa	
	<b>Observed MW:</b> 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

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

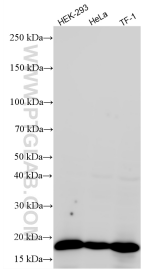
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

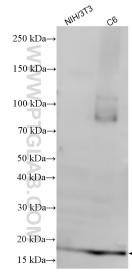
W: [ptgcn.com](http://ptgcn.com)

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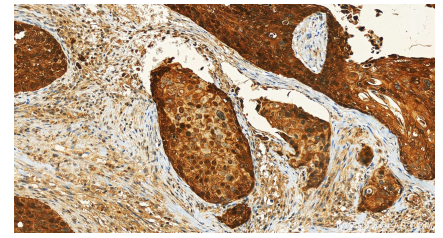
## Selected Validation Data



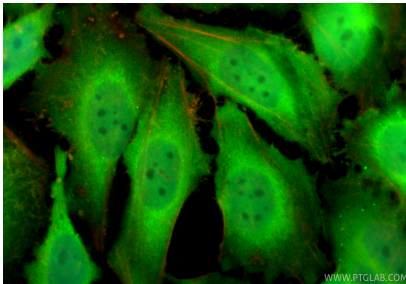
Various lysates were subjected to SDS PAGE followed by western blot with RMX00038 (CDKN2A/P16-INK4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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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).