

For Research Use Only

P16-INK4A Polyclonal ANTIBODY



Catalog Number: 10883-1-AP

Featured Product

69 Publications

Basic Information

Catalog Number:

10883-1-AP

Size:

mg/ml

Source:

Rabbit

Isotype:

IgG

Purification Method:

Antigen affinity purification

Immunogen Catalog Number:

AG1328

GenBank Accession Number:

BC021998

GeneID (NCBI):

1029

Full Name:

cyclin-dependent kinase inhibitor 2A
(melanoma, p16, inhibits CDK4)

Calculated MW:

16 kDa

Observed MW:

16-18 kDa

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for
WB

Applications

Tested Applications:

FC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, WB

Species Specificity:

human

Cited Species:

human, monkey

Positive Controls:

WB : HEK-293 cells; PC-3 cells, HeLa cells, HEK293 cells

IP : HEK-293 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. 10883-1-AP reacts with p16 specifically. P16 plays an essential role in regulating the cell cycle, and mutations in p16 increase the risk of developing various cancers, including melanoma.

Notable Publications

Author	Pubmed ID	Journal	Application
Shin Hamada	28971839	Am J Physiol Gastrointest Liver Physiol	IHC
Xiaoman Chen	30207732	Mol Pharm	WB
Shouli Wu	30259626	Environ Toxicol	WB

Storage

Storage:

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

Storage Buffer:

PBS, pH 7.3.

Aliquoting is unnecessary for -20°C storage

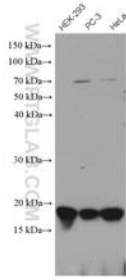
For technical support and original validation data for this product please contact:

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

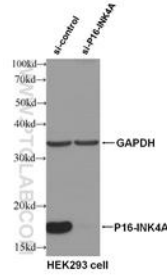
E: proteintech@ptglab.com
W: ptglab.com

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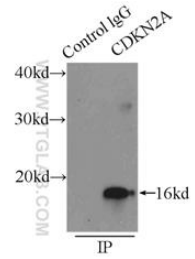
Selected Validation Data



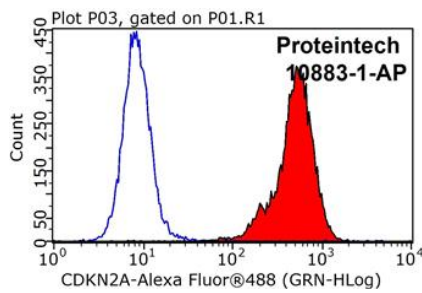
Various lysates were subjected to SDS PAGE followed by western blot with 10883-1-AP (P16-INK4A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours



WB result of p16-INK4A antibody (10883-1-AP, 1:2,000) with si-Control and si-p16 transfected HEK-293 cells.



IP Result of anti-P16 (IP:10883-1-AP, 4ug; Detection:10883-1-AP 1:1000) with HEK-293 cells lysate 4500ug.



1X10⁶ HeLa cells were stained with .2ug P16-INK4A antibody (10883-1-AP, red) and control antibody (10883-1-AP, blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.