

For Research Use Only

# P16-INK4A Polyclonal antibody



Catalog Number: 10883-1-AP

Featured Product

175 Publications

## Basic Information

**Catalog Number:**

10883-1-AP

**Size:**

150ul , Concentration: 500 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**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

**Purification Method:**

Antigen affinity purification

**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, IP, 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
Shengya Tian	31562192	Life Sci Alliance	WB
Sandeep Saxena	31562333	Nat Commun	IF

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

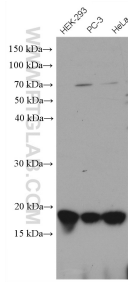
For technical support and original validation data for this product please contact:

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

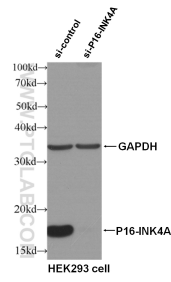
E: proteintech@ptglab.com  
W: ptglab.com

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

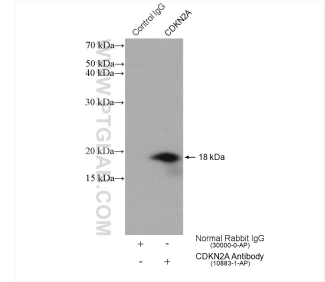
## Selected Validation Data



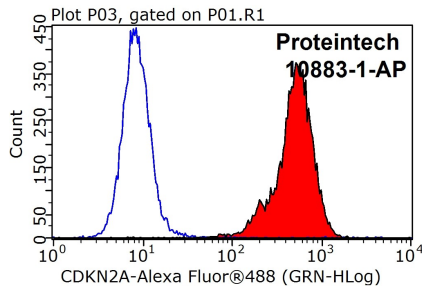
Various lysates were subjected to SDS PAGE followed by western blot with 10883-1-AP (P16-INK4A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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-INK4A(IP:10883-1-AP, 4ug; Detection:10883-1-AP 1:1000) with HEK-293 cells lysate 1040 ug.



1X10<sup>6</sup> HeLa cells were stained with .2ug P16-INK4A antibody (10883-1-AP, red) and control antibody (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.