For Research Use Only

iASPP Polyclonal antibody

Catalog Number:18590-1-AP Featured Product 6 Publications

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Basic Information

Catalog Number:
18590-1-AP

Size:
150ul , Concentration: 650 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG13273

GenBank Accession Number:
BC064913

GeneID (NCBI):
10848

UNIPROT ID:
Q8WUF5

Full Name:
protein phosphatase 1, regulatory (inhibitor) subunit 13 like

Calculated MW:
89 kDa

Observed MW:
110 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:400-1:1600
IF/ICC 1:10-1:100

Applications

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

Cited Applications:
WB, IF, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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 : NIH/3T3 cells, PC-3 cells, MCF-7 cells, Apoptosised HeLa cells, C6 cells

IP : PC-3 cells,

IHC : human breast cancer tissue, human cervical squamous cancer tissue

IF/ICC : MCF-7 cells,

Background Information

Inhibitor of apoptosis-stimulating protein of p53 (iASPP), encoded by PPP1R13L gene, is often overexpressed in human cancers. The ASPP family includes three members, namely ASPP1, ASPP2, and iASPP, which are specific regulators of p53-, p63-, and p73-mediated apoptosis. ASPP1 and ASPP2 enhance the apoptotic function of p53, whereas iASPP specifically inhibits p53-mediated apoptosis. Overexpression of iASPP is associated with resistance to cisplatin-induced apoptosis and rediation therapy. iASPP plays a pivotal role in regulating cancer cell proliferation and tumor progression. This antibody could both recognize unphosphorylated and phosphorylated iASPP.

Notable Publications

Author	Pubmed ID	Journal	Application
Timur Yagudin	33128543	Acta Biochim Biophys Sin (Shanghai)	WB
Aurélie Mangon	34705028	J Cell Biol	WB,IP
Kun Gao	29743530	Cell Death Dis	WB,IP,IF

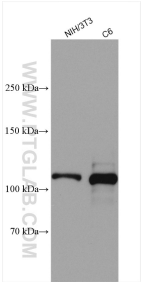
Storage

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

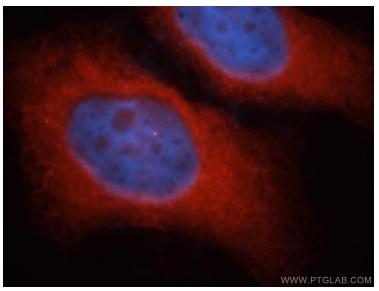
*** 20ul sizes contain 0.1% BSA

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

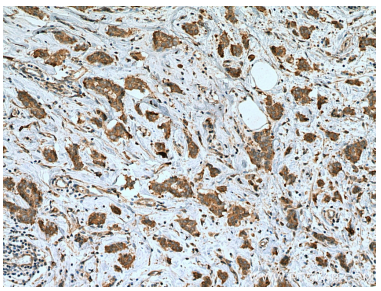
Selected Validation Data



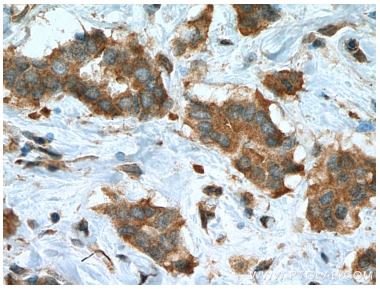
Various lysates were subjected to SDS PAGE followed by western blot with 18590-1-AP (iASPP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



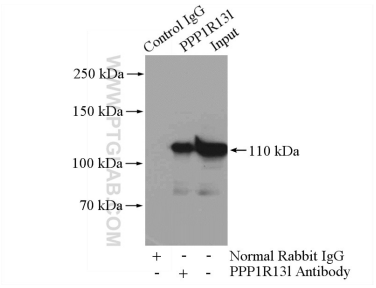
Immunofluorescent analysis of MCF-7 cells, using PPP1R13L antibody 18590-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).Blue pseudocolor = DAPI (fluorescent DNA dye).



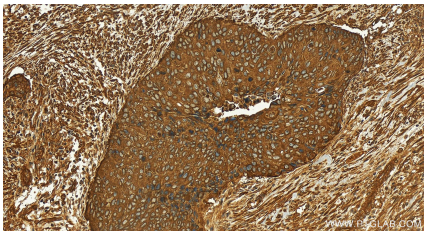
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18590-1-AP (iASPP antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18590-1-AP (iASPP antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-iASPP (IP:18590-1-AP, 4ug; Detection:18590-1-AP 1:1000) with PC-3 cells lysate 1040ug.



Immunohistochemical analysis of paraffin-embedded human cervical squamous cancer tissue slide using 18590-1-AP (iASPP antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).