

For Research Use Only

iASPP Polyclonal antibody

Catalog Number: 18590-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 18590-1-AP	GenBank Accession Number: BC064913	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10848	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: protein phosphatase 1, regulatory (inhibitor) subunit 13 like	IHC 1:400-1:1600 IF 1:10-1:100
Isotype: IgG	Calculated MW: 89 kDa	
Immunogen Catalog Number: AG13273	Observed MW: 110 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IP, WB

Species Specificity:

human, rat, mouse

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,

IF: 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 radiation 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

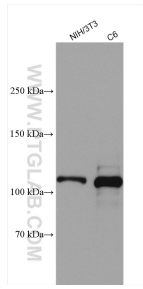
For technical support and original validation data for this product please contact:

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

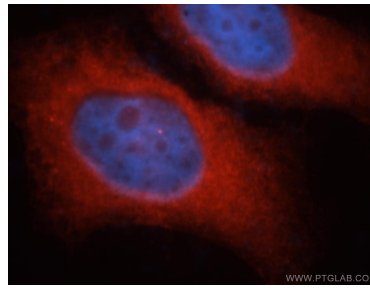
E: proteintech@ptglab.com
W: ptglab.com

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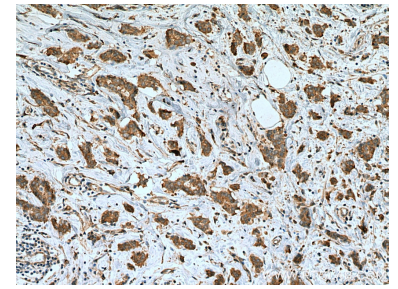
Selected Validation Data



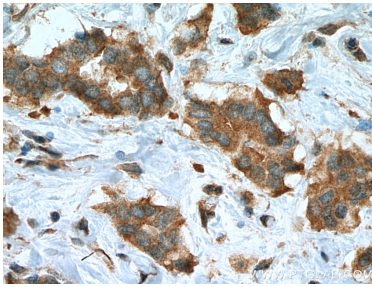
Various lysates were subjected to SDS PAGE followed by western blot with 18590-1-AP (iASPP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



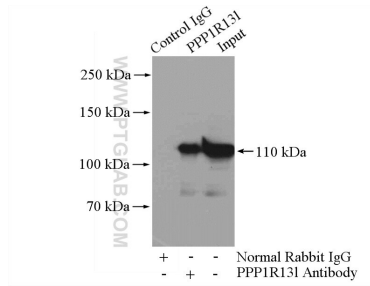
Immunofluorescent analysis of MCF-7 cells, using PPP1R13L antibody 18590-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



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.