

For Research Use Only

# HSP90AB1 Polyclonal antibody

Catalog Number: 11405-1-AP

Featured Product

36 Publications



## Basic Information

### Catalog Number:

11405-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1947

### GenBank Accession Number:

BC014485

### GeneID (NCBI):

3326

### UNIPROT ID:

P08238

### Full Name:

heat shock protein 90kDa alpha (cytosolic), class B member 1

### Calculated MW:

723 aa, 83 kDa

### Observed MW:

83-90 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, chicken, sheep, deer

**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:** PC-3 cells, HEK-293 cells, Jurkat cells, mouse brain tissue, MCF-7 cells, HeLa cells, mouse thymus tissue, rat thymus tissue, mouse heart tissue, rat brain tissue, rat heart tissue

**IP:** NIH/3T3 cells,

**IHC:** human pancreas cancer tissue, human breast cancer tissue, human colon tissue

**IF/ICC:** HepG2 cells,

## Background Information

HSP90AB1, also known as HSP90 beta, is a member of HSP90 family which includes cytosolic HSP90 alpha (HSP90AA1) and HSP90 beta, endoplasmic reticulum related GRP74, mitochondrial TRAP1. HSP90 proteins play a versatile role in cell regulation, forming complexes with a large number of cellular kinases, transcription factors, and other molecules. Upregulation of HSP90AB1 has been found in various cancers. This antibody may cross-react with HSP90AA1 due to the high homology between them.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yunxia Dong	34508810	Pharmacol Res	WB
Thomas Labadie	33075107	PLoS Pathog	IF
Shaojun Zhang	34737357	Cell Res	WB,IP

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

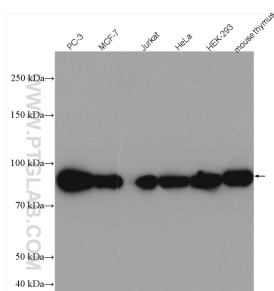
For technical support and original validation data for this product please contact:

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

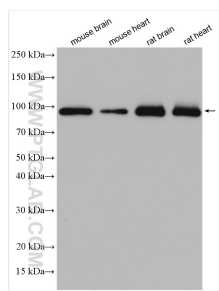
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

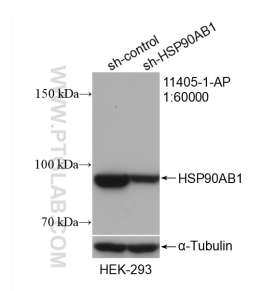
## Selected Validation Data



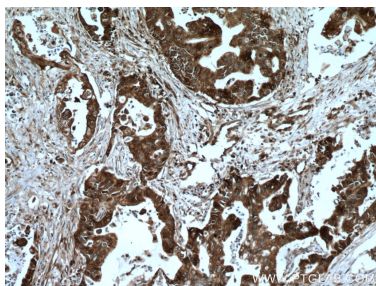
Various lysates were subjected to SDS PAGE followed by western blot with 11405-1-AP (HSP90AB1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



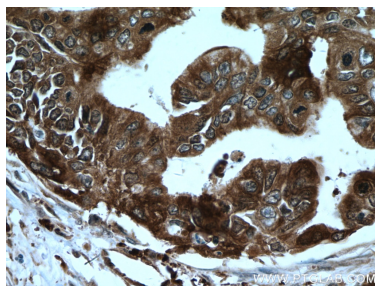
Various lysates were subjected to SDS PAGE followed by western blot with 11405-1-AP (HSP90AB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



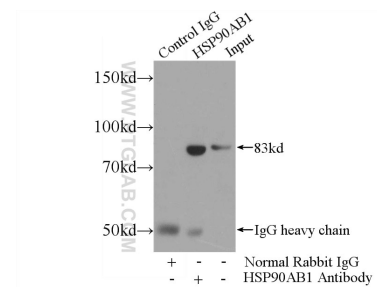
WB result of HSP90AB1 antibody (11405-1-AP; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSP90AB1 transfected HEK-293 cells.



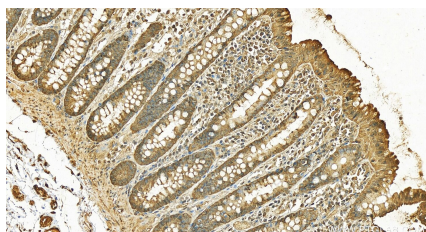
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11405-1-AP (HSP90AB1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



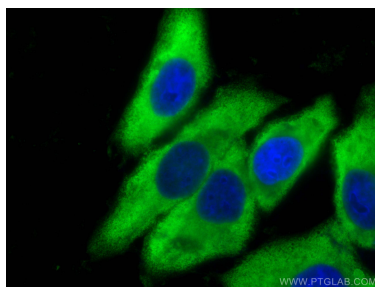
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11405-1-AP (HSP90AB1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



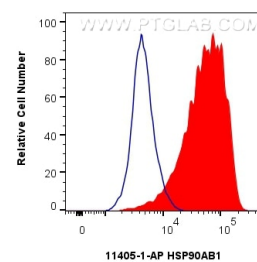
IP result of anti-HSP90AB1 (IP: 11405-1-AP, 4ug; Detection: 11405-1-AP 1:700) with NIH/3T3 cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11405-1-AP (HSP90AB1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HSP90AB1 antibody (11405-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug HSP90AB1 Polyclonal antibody (11405-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).