

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,

FC (Intra): HeLa 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

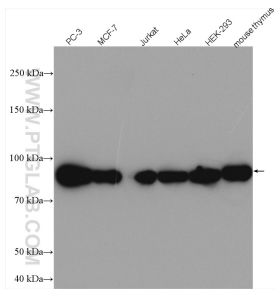
For technical support and original validation data for this product please contact:

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

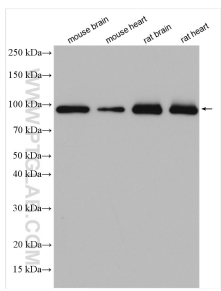
E: proteintech@ptglab.com
W: ptglab.com

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

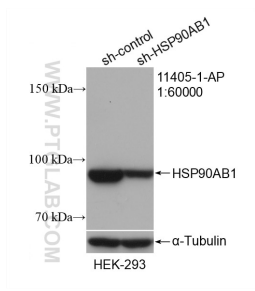
Selected Validation Data



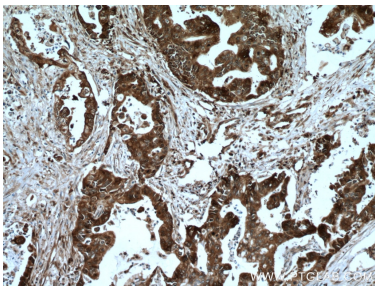
Various lysates were subjected to SDS PAGE followed by western blot with 11405-1-AP (HSP90AB1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



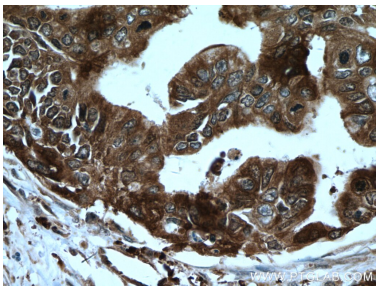
Various lysates were subjected to SDS PAGE followed by western blot with 11405-1-AP (HSP90AB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



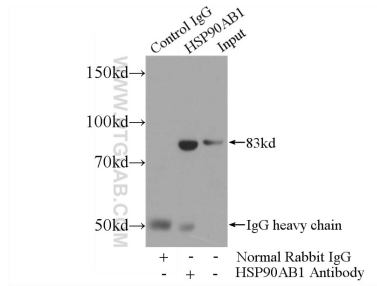
WB result of HSP90AB1 antibody (11405-1-AP; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSP90AB1 transfected HEK-293 cells.



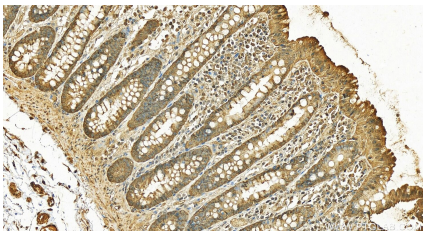
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11405-1-AP (HSP90AB1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



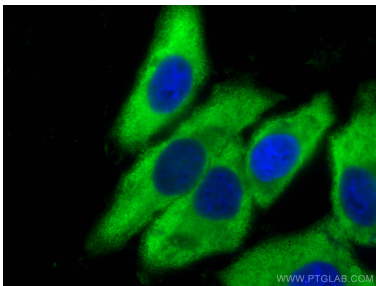
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11405-1-AP (HSP90AB1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



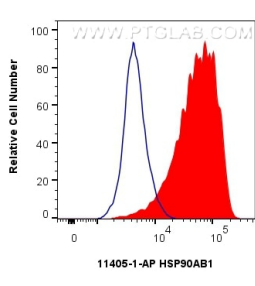
IP result of anti-HSP90AB1 (IP:11405-1-AP, 4ug; Detection:11405-1-AP 1:700) with NIH/3T3 cells lysate 1200ug.



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).



1x10⁶ 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).