

For Research Use Only

HSP90AB1 Recombinant antibody

Catalog Number: 80301-1-RR

Featured Product



Basic Information

Catalog Number: 80301-1-RR	GenBank Accession Number: BC014485	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 3326	CloneNo.: 5P14
Source: Rabbit	UNIPROT ID: P08238	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: heat shock protein 90kDa alpha (cytosolic), class B member 1	
Immunogen Catalog Number: AG1947	Calculated MW: 723 aa, 83 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat, zebrafish	WB : LNCaP cells, zebrafish tissue, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, Neuro-2a cells, HSC-T6 cells, PC-12 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human breast cancer tissue, IF/ICC : 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.

Storage

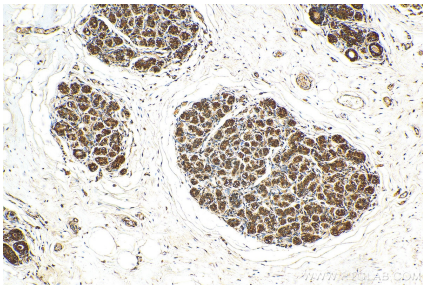
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

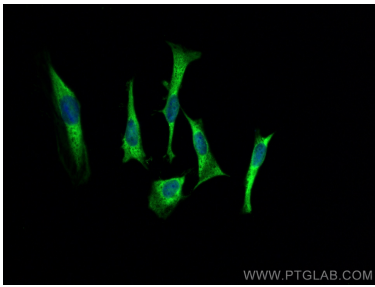
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

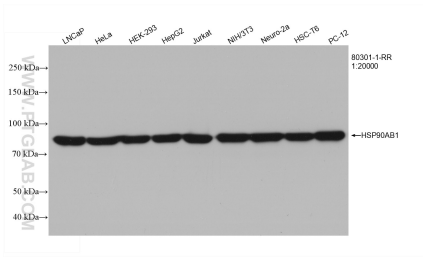
Selected Validation Data



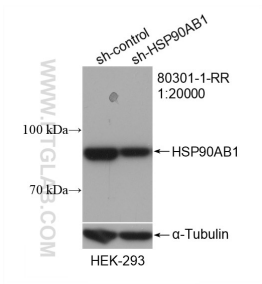
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80301-1-RR (HSP90AB1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



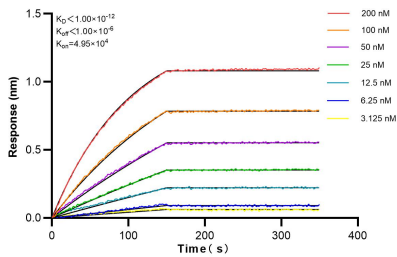
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using HSP90AB1 antibody (80301-1-RR, Clone: 5P14) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 80301-1-RR (HSP90AB1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of HSP90AB1 antibody (80301-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSP90AB1 transfected HEK-293 cells.



Biolayer interferometry (BLI) kinetic assays of 80301-1-RR against Human HSP90AB1 were performed. The affinity constant is below 1 pM.