

# HSP90AB1 Recombinant antibody

Catalog Number: 80301-1-RR

Featured Product

## Basic Information

**Catalog Number:**

80301-1-RR

**Size:**

500 µg/ml

**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

**Purification Method:**

Protein A purification

**CloneNo.:**

5P14

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:250-1:1000

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, ELISA, IF/ICC

**Species Specificity:**

Human, mouse, rat, zebrafish

**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:** 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

**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:**

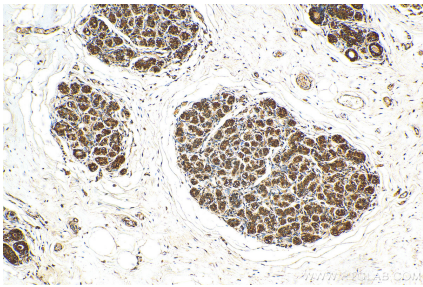
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

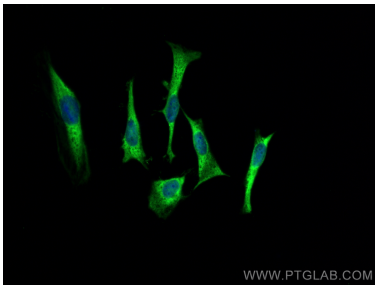
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

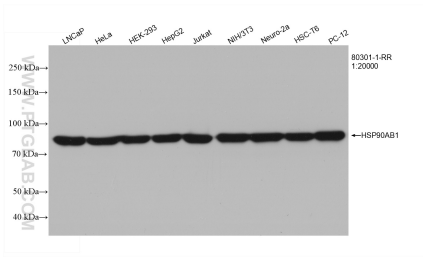
Selected Validation Data



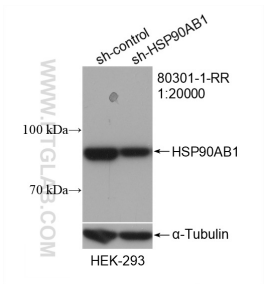
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80301-1-RR (HSP90AB1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



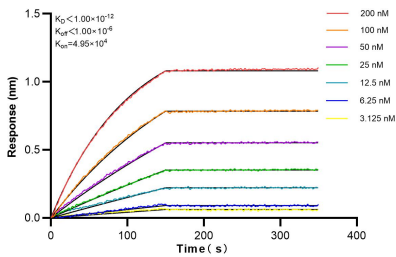
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using HSP90AB1 antibody (80301-1-RR, Clone: 5P14 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.