

For Research Use Only

# HSP90 Recombinant antibody

Catalog Number:83950-5-RR



## Basic Information

<b>Catalog Number:</b> 83950-5-RR	<b>GenBank Accession Number:</b> BC023006	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3320	<b>CloneNo.:</b> 241050A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P07900	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> heat shock protein 90kDa alpha (cytosolic), class A member 1	
<b>Immunogen Catalog Number:</b> AG3826	<b>Calculated MW:</b> 853 aa, 90 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, LNCaP cells, NIH/3T3 cells, C6 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> HepG2 cells,

## Background Information

HSP90, encoded by HSP90AA1, is a constitutively and ubiquitously expressed molecular chaperone that is crucial for the stability and function of many proteins. HSP90 provides chaperoning activity for client proteins; many of them are members of oncogenic pathways, indicating its implication in tumor malignancy. HSP90 mainly resides in the cytosol, while it can also be released to the extracellular space. Secreted Hsp90 is a C-terminal truncated form. It has been reported that the level of plasma Hsp90 is positively correlated with tumor malignancy in clinical cancer patients, and can be a promising diagnostic marker for tumor malignancy in clinical application.

## 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

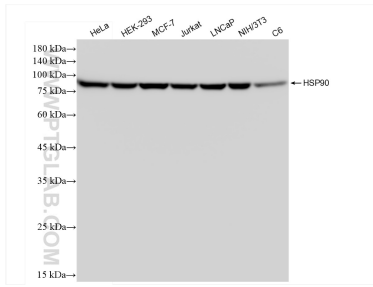
For technical support and original validation data for this product please contact:

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

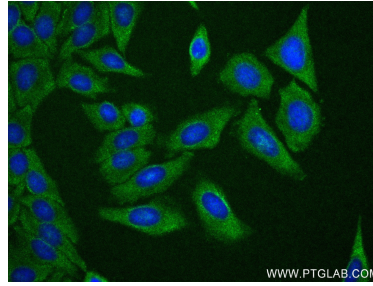
E: proteintech@ptglab.com  
W: ptglab.com

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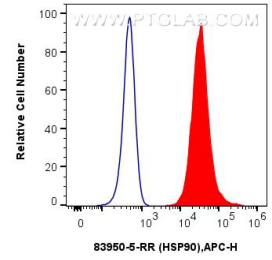
## Selected Validation Data



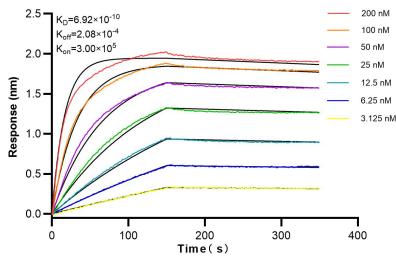
Various lysates were subjected to SDS PAGE followed by western blot with 83950-5-RR (HSP90 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HSP90 antibody (83950-5-RR, Clone: 241050A10) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug HSP90 Recombinant antibody (83950-5-RR, Clone:241050A10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 83950-5-RR against Human HSP90 were performed. The affinity constant is 0.692 nM.