

For Research Use Only

HSP90 Recombinant antibody, PBS Only

Catalog Number: 83950-5-PBS



Basic Information

Catalog Number: 83950-5-PBS	GenBank Accession Number: BC023006	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3320	CloneNo.: 241050A10
Source: Rabbit	UNIPROT ID: P07900	
Isotype: IgG	Full Name: heat shock protein 90kDa alpha (cytosolic), class A member 1	
Immunogen Catalog Number: AG3826	Calculated MW: 853 aa, 90 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
Storage Buffer:
PBS Only

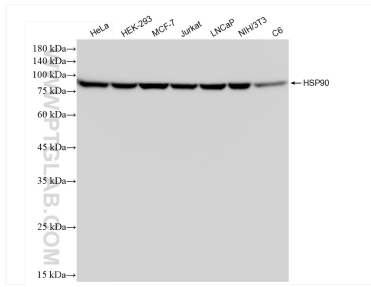
For technical support and original validation data for this product please contact:

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

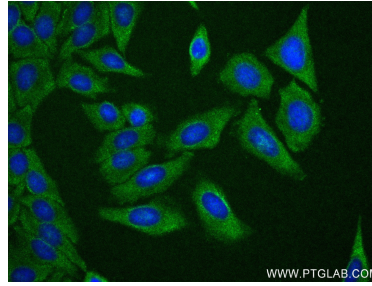
E: proteintech@ptglab.com
W: ptglab.com

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

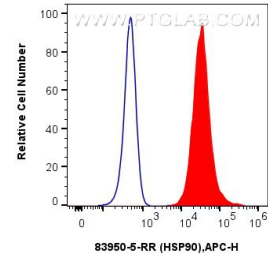
Selected Validation Data



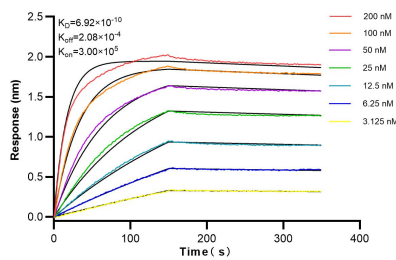
Various lysates were subjected to SDS PAGE followed by western blot with 83950-5-RR (HSP90 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83950-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83950-5-PBS in a different storage buffer formulation.



1×10^6 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). This data was developed using the same antibody clone with 83950-5-PBS in a different storage buffer formulation.



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