

For Research Use Only

HSP90 Recombinant antibody

Catalog Number: 83950-5-RR



Basic Information

Catalog Number:

83950-5-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3826

GenBank Accession Number:

BC023006

GeneID (NCBI):

3320

UNIPROT ID:

P07900

Full Name:

heat shock protein 90kDa alpha
(cytosolic), class A member 1

Calculated MW:

853 aa, 90 kDa

Purification Method:

Protein A purification

CloneNo.:

241050A10

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, LNCaP cells, NIH/3T3 cells, C6 cells

IF/ICC: 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

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

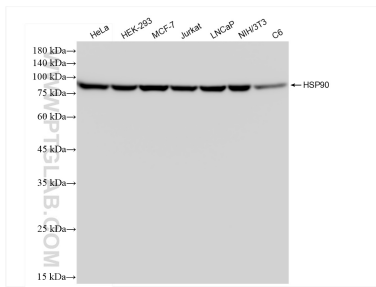
T: 4006900926

E: Proteintech-CN@ptglab.com

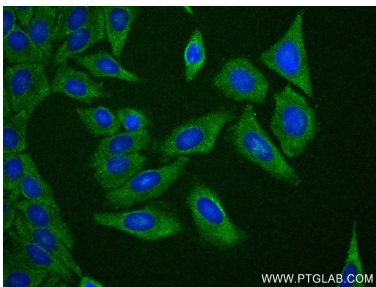
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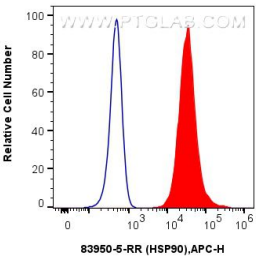
Selected Validation Data



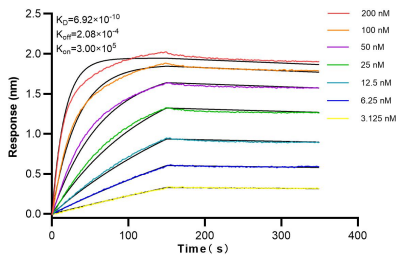
Various lysates were subjected to SDS PAGE followed by western blot with 83950-5-RR (HSP90 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1x10⁶ 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).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83950-5-RR against Human HSP90 were performed. The affinity constant is 0.692 nM.