

For Research Use Only

HSP90 Monoclonal antibody, PBS Only

Catalog Number:60318-1-PBS



Basic Information

Catalog Number: 60318-1-PBS	GenBank Accession Number: BC023006	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3320	CloneNo.: 3F11C1
Source: Mouse	UNIPROT ID: P07900	
Isotype: IgG2a	Full Name: heat shock protein 90kDa alpha (cytosolic), class A member 1	
Immunogen Catalog Number: AG3826	Calculated MW: 853 aa, 90 kDa	
	Observed MW: 85-90 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, CoIP, ELISA

Species Specificity:
human, mouse, rat, pig

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

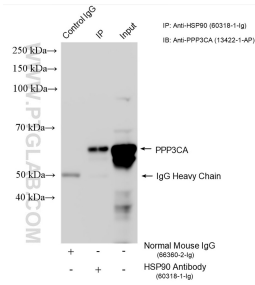
For technical support and original validation data for this product please contact:

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

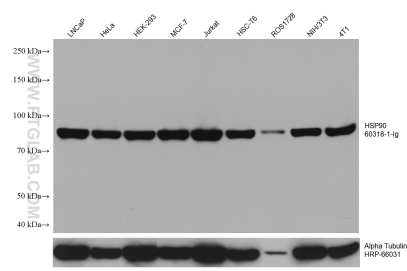
E: proteintech@ptglab.com
W: ptglab.com

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

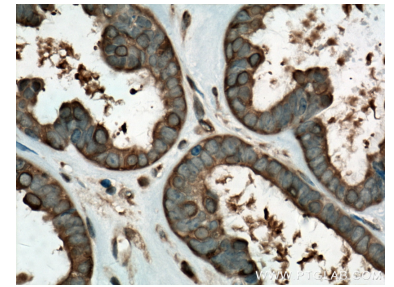
Selected Validation Data



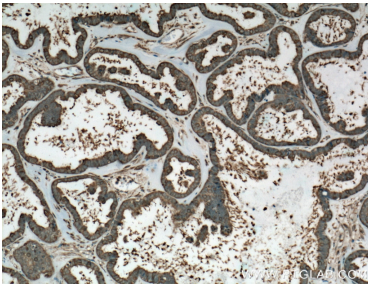
Co-IP result of anti-HSP90 (IP:60318-1-Ig, 4ug; Detection:13422-1-AP 1:5000) with mouse brain tissue lysate 2240ug. This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.



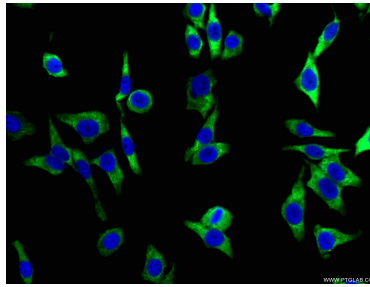
Various lysates were subjected to SDS PAGE followed by western blot with 60318-1-Ig (HSP90 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.



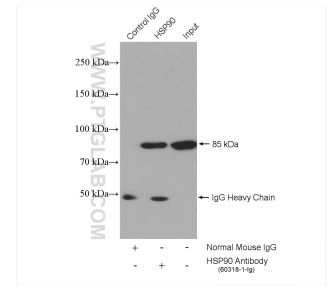
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60318-1-Ig (HSP90 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60318-1-Ig (HSP90 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 60318-1-Ig (HSP90 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.



IP result of anti-HSP90 (IP:60318-1-Ig, 5ug; Detection:60318-1-Ig 1:5000) with HepG2 cells lysate 1200 ug. This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.