

# HSP90 Monoclonal antibody, PBS Only

Catalog Number: 60318-1-PBS

## Basic Information

**Catalog Number:**

60318-1-PBS

**Concentration:**

1mg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**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

**Observed MW:**

85-90 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3F11C1

## 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. This antibody may cross-react with HSP90AB1 due to the high homology between them.

## Storage

**Storage:**

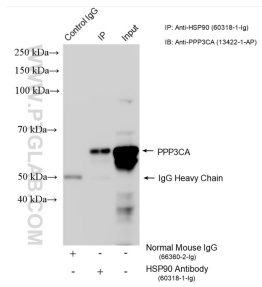
Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

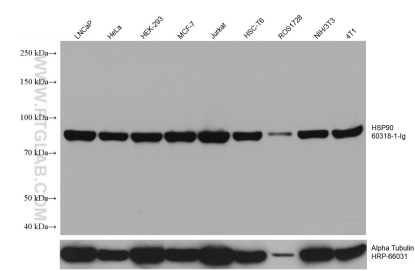
**Storage Buffer:**

PBS only, pH7.3

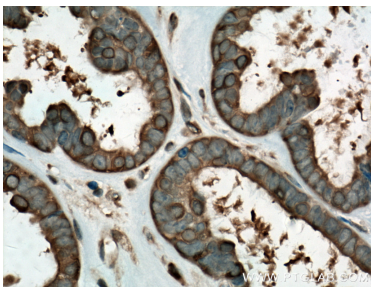
Selected Validation Data



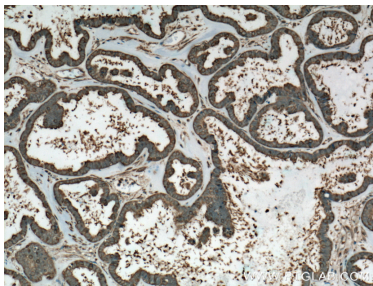
Co-IP result of anti-HSP90 (IP:60318-1-Ig, 4ug; Detection:13422-1-AP 1:5000) with mouse brain tissue lysate 2240ug. This data was developed using the same antibody clone with 60318-1-PBS in a different storage buffer formulation.



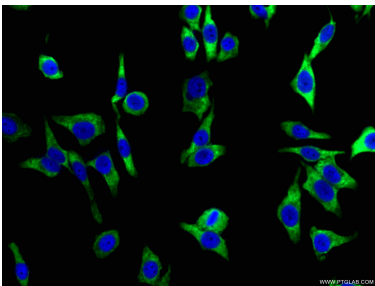
Various lysates were subjected to SDS PAGE followed by western blot with 60318-1-Ig (HSP90 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data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



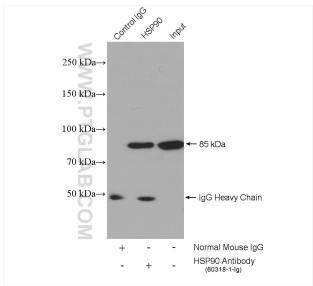
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60318-1-Ig (HSP90 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60318-1-PBS in a different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