HSP90 Monoclonal ANTIBODY
Catalog Number: 60318-1-Ig

Basic Information
Catalog Number: 60318-1-Ig
Size: 150 μg/150 μl
Source: Mouse
Isotype: IgG2a
Purification Method: Protein A purification
Immunogen Catalog Number: AG3826
GenBank Accession Number: BC023006
GeneID (NCBI): 3320
Full Name: heat shock protein 90kDa alpha (cytosolic), class A member 1
Calculated MW: 853aa, 90 kDa
Observed MW: 85-90 kDa

Recommended Dilutions:
WB 1:1000-1:8000
IHC 1:50-1:500

Recommended Storage:
Store at -20ºC. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage

Applications
Tested Applications:
FC, IHC, WB, ELISA
Cited Applications:
CoIP, IF, IP, WB
Species Specificity:
human, mouse, rat
Cited Species:
African green monkey, human, mouse, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Notable Publications
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<td>Eur J Med Chem</td>
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<td>Huiyuan Jing</td>
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<td>Xin-Bin Guo</td>
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Various cells were subjected to SDS-PAGE followed by western blot with 60318-1-Ig (HSP90 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.

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 retrieved with Tris-EDTA buffer (pH 9).

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 retrieved with Tris-EDTA buffer (pH 9).

10^6 K-562 cells were stained with 0.2 µg HSP90 antibody (60318-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA for 30 min. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L) with dilution 1:1000.