

Hsp90 beta Rabbit mAb

Catalog No: #48736

Package Size: #48736-1 50ul #48736-2 100ul



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

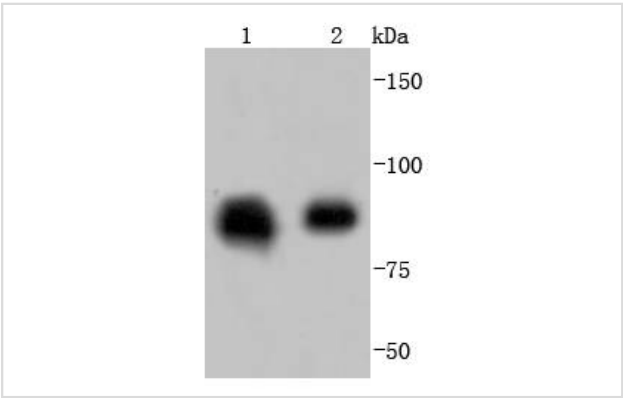
Description

Product Name	Hsp90 beta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SY46-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	90 kda heat shock protein beta HSP90 beta antibody D6S182 antibody FLJ26984 antibody Heat shock 84 kDa antibody Heat shock 90kD protein 1, beta antibody Heat shock 90kDa protein 1 beta antibody Heat shock protein 90 alpha family class B member 1 antibody Heat shock protein 90 kDa antibody Heat shock protein 90kDa alpha (cytosolic) class B member 1 antibody Heat shock protein 90kDa alpha family class B member 1 antibody Heat shock protein beta antibody Heat shock protein HSP 90 beta antibody Heat shock protein HSP 90-beta antibody HS90B_HUMAN antibody HSP 84 antibody HSP 90 antibody HSP 90 b antibody HSP 90b antibody HSP84 antibody HSP90 BETA antibody hsp90ab1 antibody HSP90B antibody HSPC2 antibody HSPCB antibody
Accession No.	Swiss-Prot#:P08238
Calculated MW	83 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

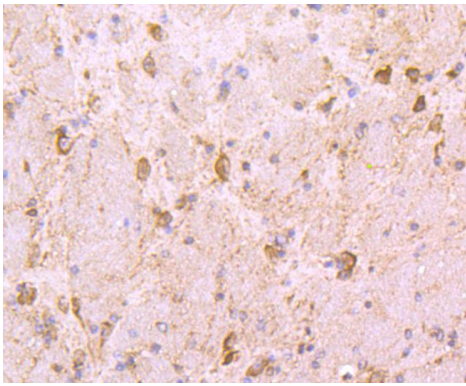
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

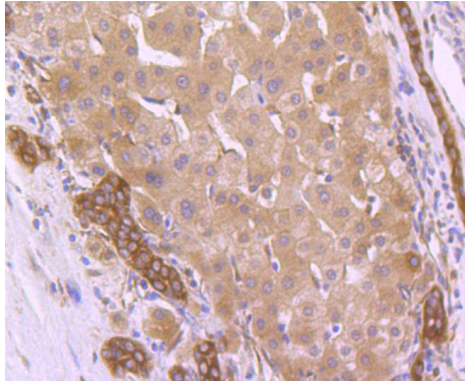
Images



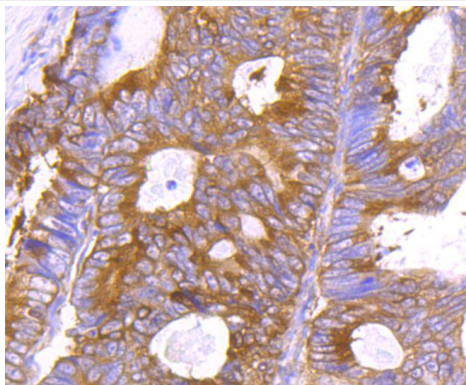
Western blot analysis of Hsp90 beta on different lysates using anti-Hsp90 beta antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela
Lane 2: K562



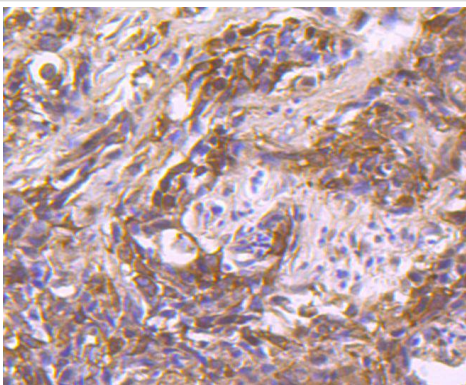
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



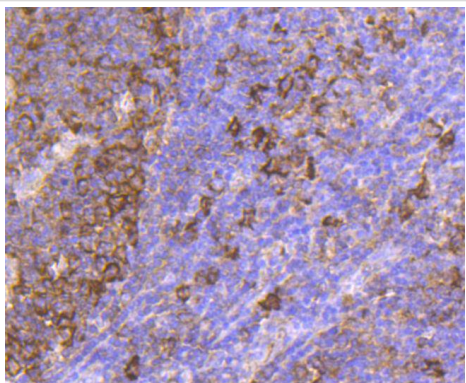
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



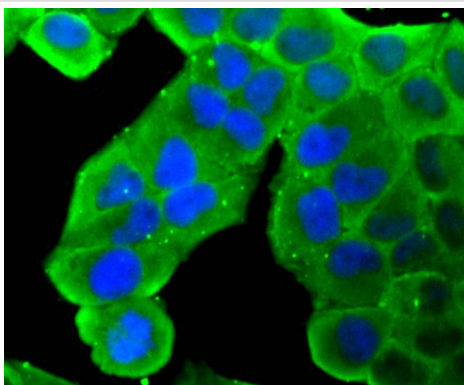
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



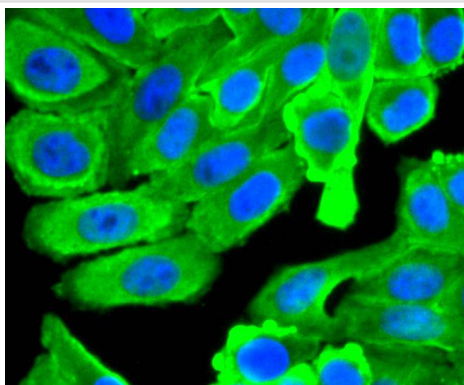
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



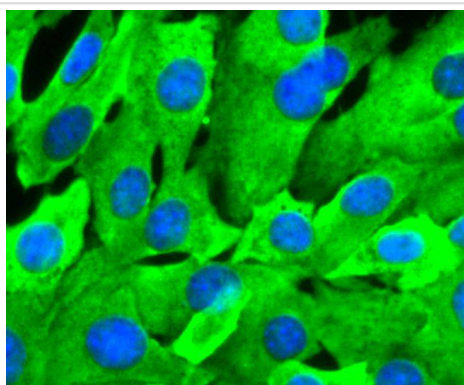
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



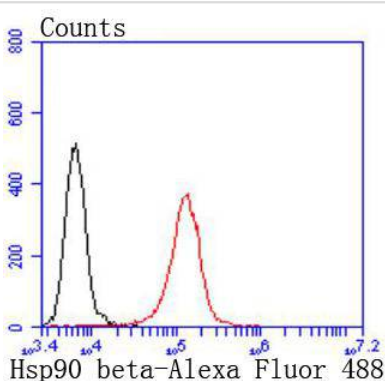
ICC staining Hsp90 beta in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Hsp90 beta in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Hsp90 beta in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with Hsp90 beta antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

The heat shock response was first described for *Drosophila* salivary gland cells and morphologically consists of a change in their polytene chromosome puffing patterns that involves *de novo* synthesis of a few proteins. Similar heat shock proteins were later discovered in bacterial chicken and mammalian cells, and have been subsequently studied in other organisms. A series of proteins including HSP 90, HSP 70, HSP 20-30 and ubiquitin are induced by insults such as temperature shock, chemicals and other environmental stress. A major function of HSP 90 and other HSPs is to act as molecular chaperones. HSP 90 forms a complex with glucocorticoid receptor (GR), rendering the non ligand-bound receptor transcriptionally inactive. HSP 90 binds the GR as a heterocomplex composed of either HSP 56 or Cyclophilin D, forming an aporeceptor complex. HSP 90 also exists as a dimer with other proteins such as p60/sti1 and p23, forming an apo-receptor complex with estrogen and androgen receptors.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.