

Hsp90 alpha Rabbit mAb

Catalog No: #48737

Package Size: #48737-1 50ul #48737-2 100ul

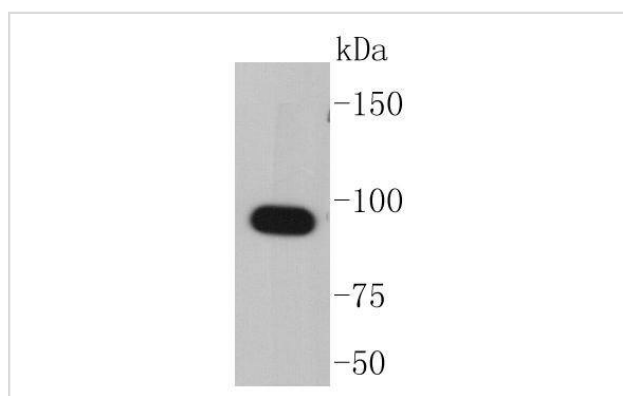
Description

Product Name	Hsp90 alpha Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SY14-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	EL52 antibody epididymis luminal secretory protein 52 antibody Heat shock 86 kDa antibody heat shock 90kD protein 1, alpha antibody Heat shock 90kD protein 1, alpha like 4 antibody heat shock 90kD protein, alpha-like 4 antibody Heat shock 90kDa protein 1 alpha antibody Heat shock protein 90kDa alpha (cytosolic) class A member 1 antibody Heat shock protein HSP 90-alpha antibody HS90A_HUMAN antibody HSP 86 antibody HSP86 antibody Hsp89 antibody HSP89A antibody Hsp90 antibody HSP90A antibody HSP90AA1 antibody HSP90ALPHA antibody HSP90N antibody HSPC1 antibody HSPCA antibody HSPCAL1 antibody HSPCAL4 antibody HSPN antibody LAP 2 antibody LAP2 antibody lipopolysaccharide-associated protein 2 antibody LPS-associated protein 2 antibody Renal carcinoma antigen NY-REN-38 antibody
Accession No.	Swiss-Prot#:P07900
Calculated MW	90 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

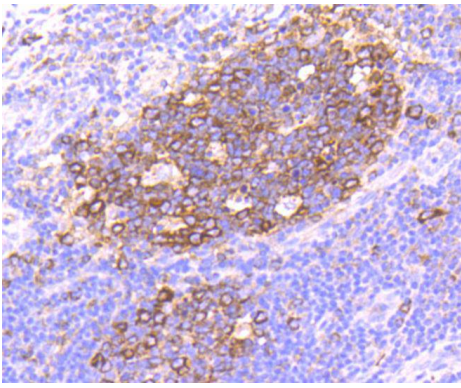
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

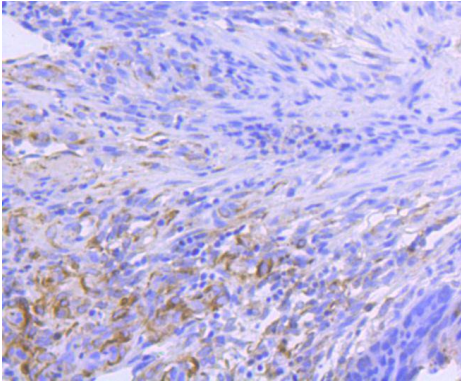
Images



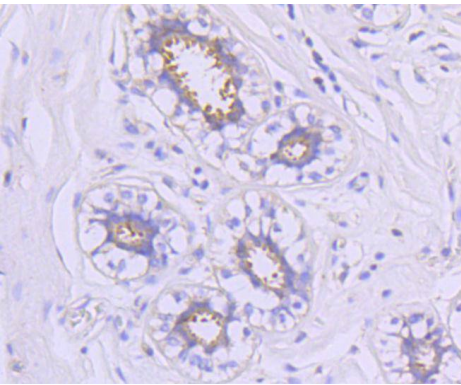
Western blot analysis of Hsp90 alpha on COS-1 cell lysates using anti-Hsp90 alpha antibody at 1/1,000 dilution.



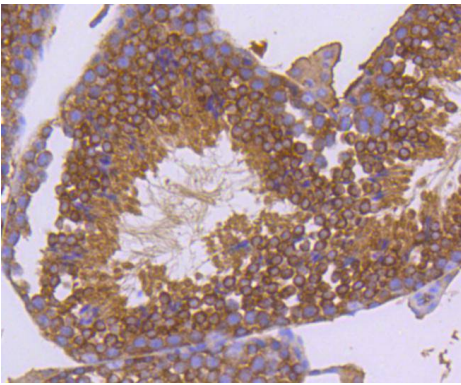
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Hsp90 alpha antibody. Counter stained with hematoxylin.



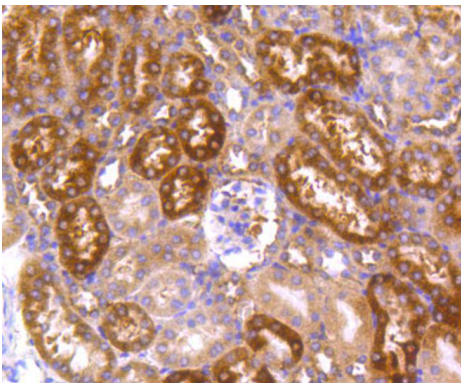
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Hsp90 alpha antibody. Counter stained with hematoxylin.



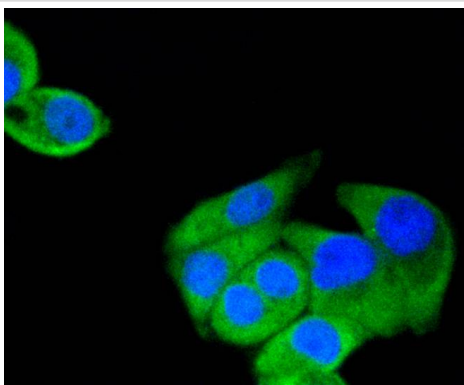
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Hsp90 alpha antibody. Counter stained with hematoxylin.



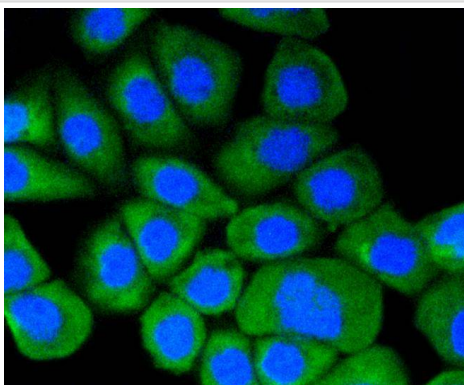
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Hsp90 alpha antibody. Counter stained with hematoxylin.



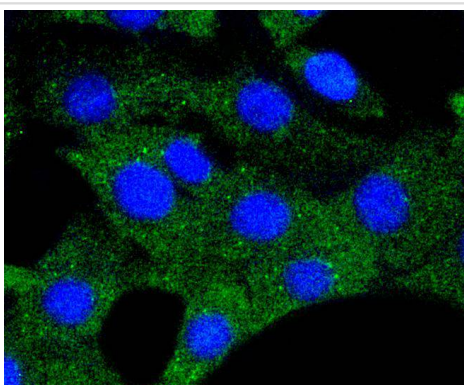
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Hsp90 alpha antibody. Counter stained with hematoxylin.



ICC staining Hsp90 alpha 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 alpha in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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

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.