Product Datasheet

Hsp105 Rabbit mAb

Catalog No: #49203

Package Size: #49203-1 50ul #49203-2 100ul

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

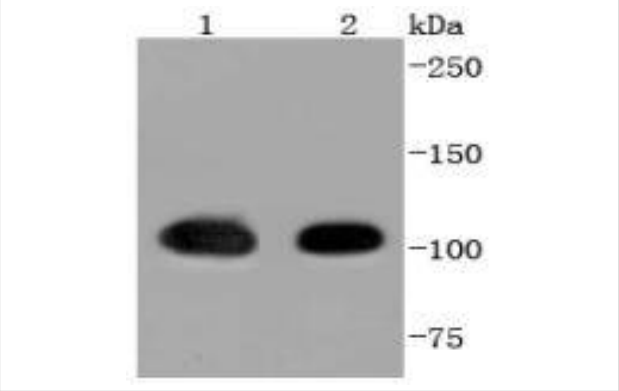
Description

Product Name	Hsp105 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD85-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Antigen NY CO 25 antibody Antigen NY-CO-25 antibody DKFZp686M05240 antibody Heat shock 105kD alpha antibody Heat shock 105kD antibody Heat shock 105kD beta antibody Heat shock 105kDa protein 1 antibody Heat shock 105kDa protein antibody Heat shock 105kDa/110kDa protein 1 antibody Heat shock 110 kDa protein antibody Heat shock 110kDa protein antibody Heat shock protein 105 kDa antibody HS105_HUMAN antibody HSP105 antibody HSP105A antibody HSP105B antibody HSP110 antibody HSPH 1 antibody Hsph1 antibody KIAA0201 antibody NY CO 25 antibody
Accession No.	Swiss-Prot#:Q92598
Uniprot	Q92598
GeneID	10808;
Calculated MW	105 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

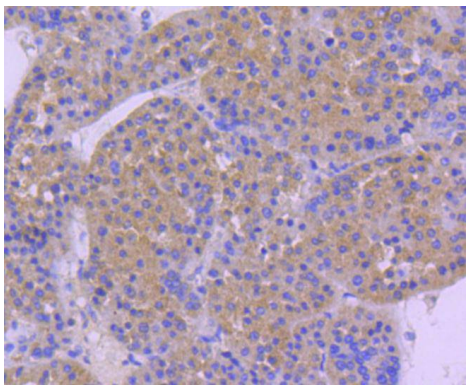
Application Details

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

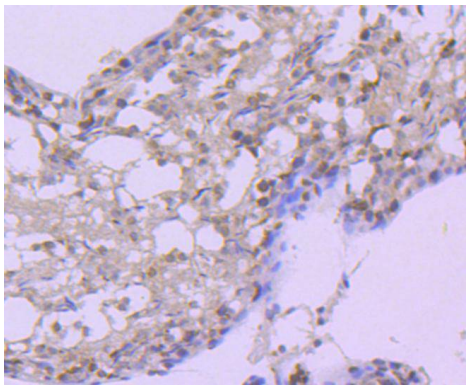
Images



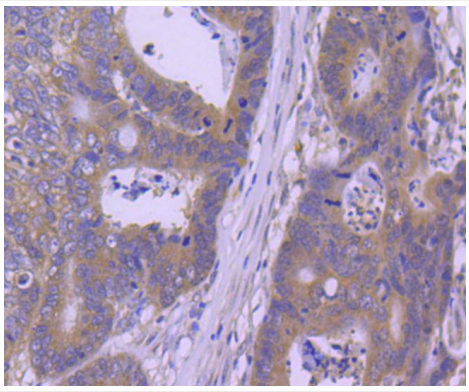
Western blot analysis of Hsp105 on different lysates using anti-Hsp105 antibody at 1/1,000 dilution. Positive control:
Lane 1: MCF-7 Lane 2: Hela



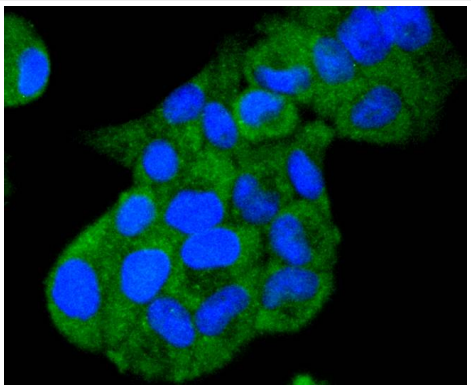
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Hsp105 antibody. Counter stained with hematoxylin.



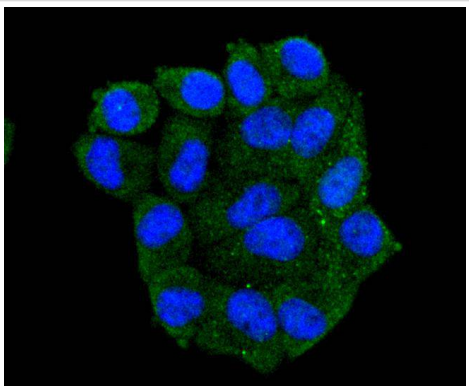
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Hsp105 antibody. Counter stained with hematoxylin.



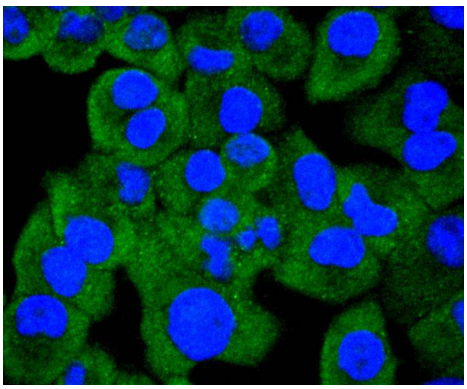
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Hsp105 antibody. Counter stained with hematoxylin.



ICC staining Hsp105 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 Hsp105 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 Hsp105 in PANC-1 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 proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multiprotein complexes, transportation of nascent poly-peptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The HSP 110 family (also known as the HSP 105 family) is composed of HSP 105, Apg-1 and Apg-2. HSP 105 is a testis-specific and HSP 90-related protein. Research indicates that HSP 105 is specifically localized in the germ cells and may translocate into the nucleus after heat shock. It is suggested that HSP 105 may contribute to the stabilization of p53 proteins in the cytoplasm of the germ cells, preventing the potential induction of apoptosis by p53.

References

Note: This product is for in vitro research use only