

Product Name: KD-Validated Hsp105 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01046

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 96.9kDa

Antigen Information

Gene Name	HSPH1 HSPH1; Heat Shock Protein Family H (Hsp110) Member 1; KIAA0201; NY-CO-25; HSP105B;
Alternative Names	HSP105A; Heat Shock 105kDa/110kDa Protein 1; Heat Shock Protein 105 KDa; Antigen NY-CO-25; HSP105; Heat Shock 110 KDa Protein; HSP110
Gene ID	10808.0
SwissProt ID	Q92598
Immunogen	A synthesized peptide derived from human Hsp105

Background

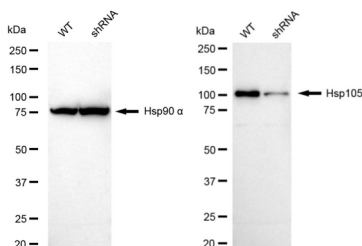
This gene encodes a member of the heat shock protein 70 family of proteins. The encoded protein functions as a nucleotide exchange factor for the molecular chaperone heat shock cognate 71 kDa protein (Hsc70). In addition, this protein plays a

distinct but related role as a holdase that inhibits the aggregation of misfolded proteins, including the cystic fibrosis transmembrane conductance regulator (CFTR) protein. Elevated expression of this protein has been observed in numerous human cancers. [provided by RefSeq, Mar 2017]

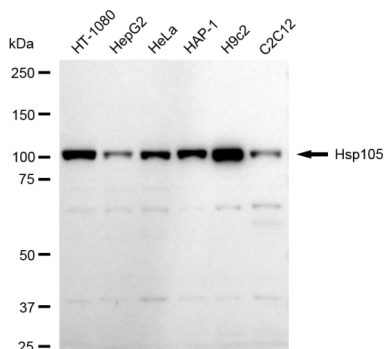
Research Area

Signal Transduction

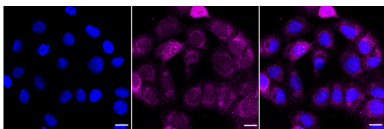
Image Data



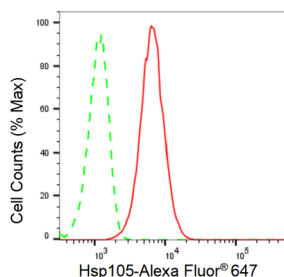
Western blotting analysis using Hsp105 antibody (KVA01046). Hsp105 expression in wild type (WT) and Hsp105 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Hsp105 antibody (KVA01046, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Hsp105 antibody (KVA01046). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Hsp105 antibody (KVA01046, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Hsp105 antibody (KVA01046, 1:1,000). Nuclei were stained blue with DAPI; Hsp105 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Hsp105 expression in HT-1080 cells using Hsp105 antibody (KVA01046, 1:2,000). Green, isotype control; red, Hsp105.