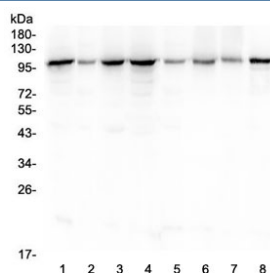


HSP105 Antibody (RQ4470)

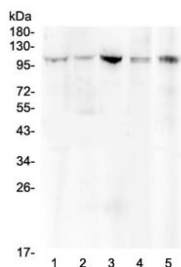
Catalog No.	Formulation	Size
RQ4470	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

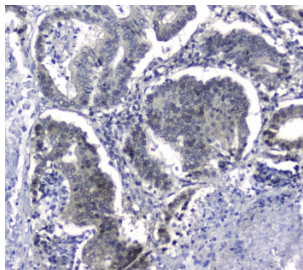
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q92598
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-3ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
Limitations	This HSP105 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) placenta, 3) COLO-320, 4) SGC-7901, 5) HepG2, 6) K562, 7) Jurkat and 8) SK-OV-3 lysate with HSP105 antibody at 0.5ug/ml. Expected molecular weight: 105-110 kDa.



Western blot testing of 1) rat brain, 2) rat lung, 3) mouse brain, 4) mouse lung and 5) mouse NIH3T3 lysate with HSP105 antibody at 0.5ug/ml. Expected molecular weight: 105-110 kDa.



IHC staining of FFPE human intestinal cancer with HSP105 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

HSP105 (HEAT-SHOCK 105/110-KD PROTEIN 1), also called HSPH1 or HSP110, is a protein that in humans is encoded by the HSPH1 gene. Immunohistochemical analysis localizes HSP105 mainly in the cytoplasm. Database analysis indicates that both HSP105 isoforms are highly conserved during evolution. By analysis of radiation hybrids and human/rodent hybrid cell lines, the HSPH1 gene is mapped to chromosome 13. Both HSP105-alpha and HSP105-beta are upregulated in HeLa cells exposed to heat shock. HSP105-alpha, but not HSP105-beta, is also upregulated in response to other cell stresses. Following heat shock, HSP105 relocalizes from a cytoplasmic to perinuclear position. Besides, HSP110 may thus constitute a major determinant for both prognosis and treatment response in colorectal cancer.

Application Notes

Optimal dilution of the HSP105 antibody should be determined by the researcher.

Immunogen

Human Heat Shock Protein 105 recombinant protein (amino acids Y653-D858) was used as the immunogen for the HSP105 antibody.

Storage

After reconstitution, the HSP105 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.