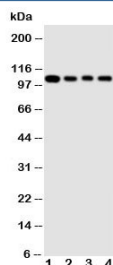


HSP105 Antibody (R30688)

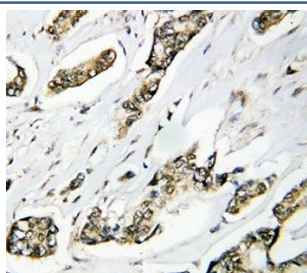
Catalog No.	Formulation	Size
R30688	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

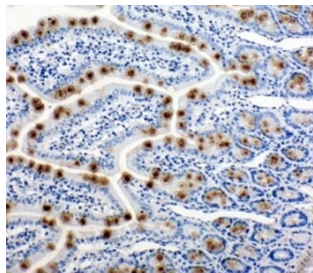
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q92598
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml
Limitations	This HSP105 antibody is available for research use only.



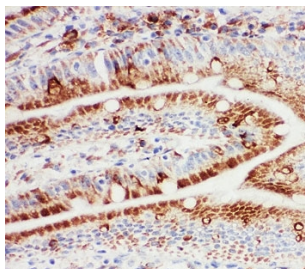
Western blot testing of HSP105 antibody and Lane 1: rat ovary ; 2: A549 cell lysate; 3: U87 cell lysate; 4: HeLa cell lysate. Expected molecular weight: 105-110 kDa.



IHC-P: HSP105 antibody testing of human breast cancer tissue



IHC-P: HSP105 antibody testing of rat intestine tissue



IHC-F testing of rat intestine tissue

Description

Heat shock protein 105, 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 HSP105alpha and HSP105beta are upregulated in HeLa cells exposed to heat shock. HSP105alpha, but not HSP105beta, is also upregulated in response to other cell stresses. Following heat shock, HSP105 relocates from a cytoplasmic to perinuclear position. Additionally, it may constitute a major determinant for both prognosis and treatment response in colorectal cancer.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HSP105 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 713-733 (EVMEWMNNVMNAQAKKSLDQD-human) were used as the immunogen for this 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.