

Datasheet for ABIN3031140
anti-HSPH1 antibody (AA 713-733)

6 Images

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Overview

Quantity:	100 µg
Target:	HSPH1
Binding Specificity:	AA 713-733
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids 713-733 (EVMEWMNNVMNAQAKKSLDQD-human) were used as the immunogen for this HSP105 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	HSPH1
Alternative Name:	HSP105 (HSPH1 Products)
Background:	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.

Target Details

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.

UniProt: [Q92598](#)

Application Details

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.\.
Western blot: 0.5-1 µg/mL, IHC (Paraffin): 0.5-1 µg/mL, IHC (Frozen): 0.5-1 µg/mL

Restrictions: For Research Use only

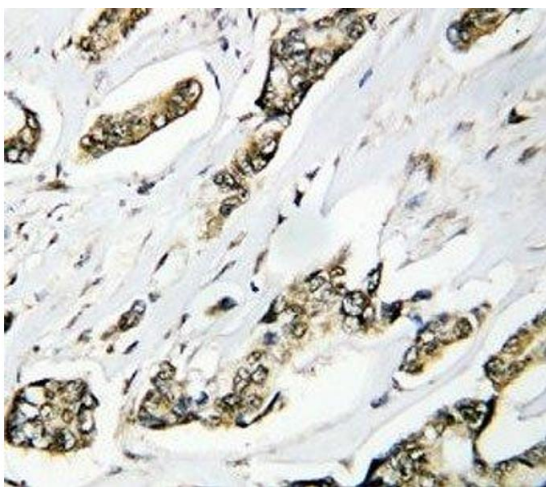
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

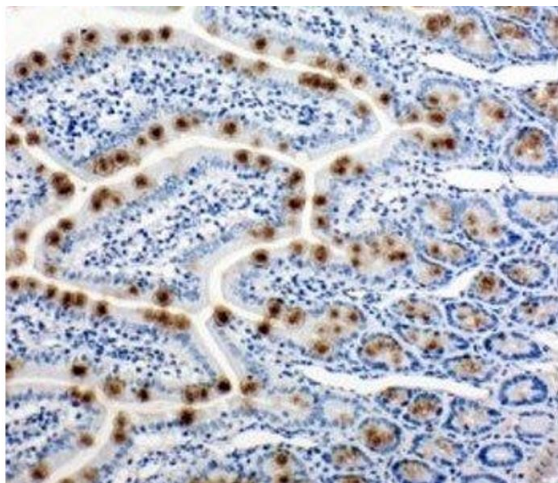
Storage Comment: After reconstitution, the Hsp105 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



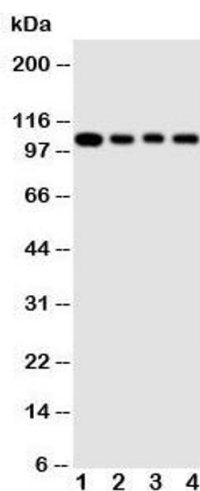
Immunohistochemistry

Image 1. IHC-P: HSP105 antibody testing of human breast cancer tissue



Immunohistochemistry

Image 2. IHC-P: HSP105 antibody testing of rat intestine tissue



Western Blotting

Image 3. Western blot testing of HSP105 antibody and Lane 1: rat ovary ; 2: A549 cell lysate; 3: U87 cell lysate; 4: HeLa cell lysate

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3031140.