Product datasheet

Anti-HSPH1 Antibody (Clone#IOG-8)

Catalog Number: *BM4779*

BOSTER
antibody and ELISA experts
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Building C21, 3rd and 4th floors, Optics Valley Biomedical Accelerator,
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Basic Information

Product Name	Anti-HSPH1 Antibody (Clone#IOG-8)
Gene Name	HSPH1
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB,IHC,ICC/IF,IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Hsp105
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	105 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:20

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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 upregulate 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.

Selected Validation Data

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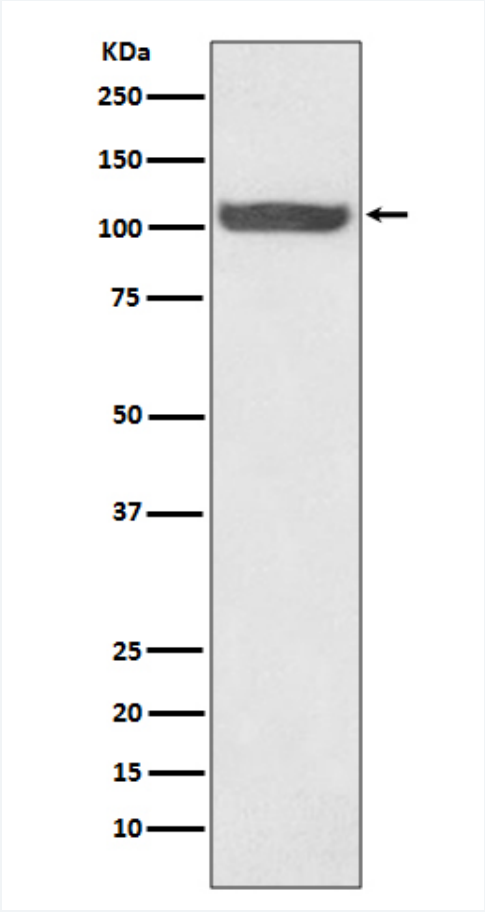

Western blot analysis of Hsp105 expression in HeLa cell lysate.