

HSPH1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51273

Product Information

Application	WB
Primary Accession	Q92598
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96865

Additional Information

Gene ID	10808
Other Names	Heat shock protein 105 kDa, Antigen NY-CO-25, Heat shock 110 kDa protein, HSPH1, HSP105, HSP110, KIAA0201
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSPH1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	HSPH1
Synonyms	HSP105, HSP110, KIAA0201
Function	Acts as a nucleotide-exchange factor (NEF) for chaperone proteins HSPA1A and HSPA1B, promoting the release of ADP from HSPA1A/B thereby triggering client/substrate protein release (PubMed: 24318877). Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities (By similarity).
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.

Background

Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities (By similarity).

References

Ishihara K.,et al.Biochim. Biophys. Acta 1444:138-142(1999).

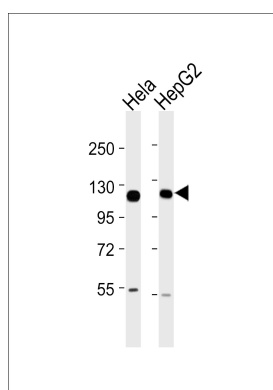
Scanlan M.J.,et al.Int. J. Cancer 76:652-658(1998).

Nagase T.,et al.DNA Res. 3:321-329(1996).

Dunham A.,et al.Nature 428:522-528(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-HSPH1 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 97 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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