

**HSPH1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51273****Specification**

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**HSPH1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">O92598</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 105 kDa                |
| Antigen Region    | 791 - 850              |

**HSPH1 Antibody - 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

**HSPH1 Antibody - 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:<a href="http://www.uniprot.org/citations/24318877" target="\_blank">24318877</a>). 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.

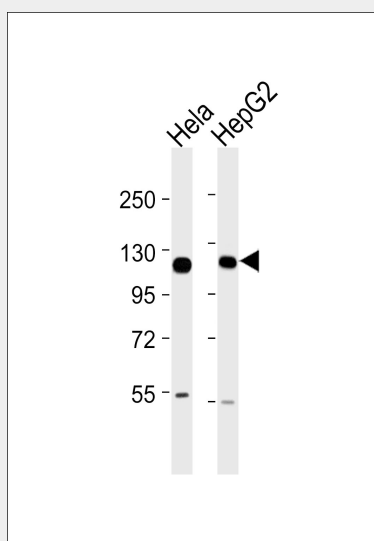
**Tissue Location**

Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.

**HSPH1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HSPH1 Antibody - 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.

**HSPH1 Antibody - 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).

**HSPH1 Antibody - 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.