

**HSPH1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2860d****Specification**

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**HSPH1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q92598](#)**HSPH1 Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP2860d](/products/AP2860d) was selected from the Center region of human HSPH1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HSPH1 Antibody (Center) Blocking Peptide - 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](http://www.uniprot.org/citations/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.

**HSPH1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**HSPH1 Antibody (Center) Blocking Peptide - Images****HSPH1 Antibody (Center) Blocking Peptide - Background**

HSPH1 prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. This protein inhibits HSPA8/HSC70 ATPase and chaperone activities.

**HSPH1 Antibody (Center) Blocking Peptide - References**

Ishihara K., Yasuda K., Hatayama T. Biochim. Biophys. Acta 1444:138-142(1999) Nagase T., Seki N., Ishikawa K., Ohira M., Kawarabayasi Y., DNA Res. 3:321-329(1996) The MGC Project Team Genome Res. 14:2121-2127(2004) Miyazaki M., Nakatsura T., Yokomine K., Senju S., Monji M., Hosaka S., Cancer Sci. 96:695-705(2005)