

HSPH1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP2860d

Specification

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

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)

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.

HSPH1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)