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HSPA9 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10160c

Specification

HSPA9 Antibody (Center) Blocking peptide - Product Information

Primary Accession	P38646
Other Accession	NP_004125.3

HSPA9 Antibody (Center) Blocking peptide - Additional Information

Gene ID 3313

Other Names
Stress-70 protein, mitochondrial, 75 kDa glucose-regulated protein, GRP-75, Heat shock 70 kDa protein 9, Mortalin, MOT, Peptide-binding protein 74, PBP74, HSPA9, GRP75, HSPA9B, mt-HSP70

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.

HSPA9 Antibody (Center) Blocking peptide - Protein Information

Name HSPA9 (HGNC:5244)

Synonyms GRP75, HSPA9B, mt-HSP70

Function
Chaperone protein which plays an important role in mitochondrial iron-sulfur cluster (ISC) biogenesis. Interacts with and stabilizes ISC cluster assembly proteins FXN, NFU1, NFS1 and ISCU (PubMed:26702583). Regulates erythropoiesis via stabilization of ISC assembly (PubMed:21123823, PubMed:26702583). May play a role in cell cycle regulation via its interaction with and promotion of degradation of TP53 (PubMed:24625977, PubMed:26634371). May play a role in the control of cell proliferation and cellular aging (By similarity).

Cellular Location
Mitochondrion. Nucleus, nucleolus. Cytoplasm

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HSPA9 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

HSPA9 Antibody (Center) Blocking peptide - Images

HSPA9 Antibody (Center) Blocking peptide - Background

This gene encodes a member of the heat shock protein 70gene family. The encoded protein is primarily localized to themitochondria but is also found in the endoplasmic reticulum, plasmamembrane and cytoplasmic vesicles. This protein is a heat-shockcognate protein. This protein plays a role in cell proliferation,stress response and maintenance of the mitochondria. A pseudogeneof this gene is found on chromosome 2.

HSPA9 Antibody (Center) Blocking peptide - References

Li, Y., et al. Environ. Health Perspect. 118(7):936-942(2010)Luo, W.I., et al. Protein Expr. Purif. 72(1):75-81(2010)Goswami, A.V., et al. J. Biol. Chem. 285(25):19472-19482(2010)Iosefson, O., et al. FEBS Lett. 584(6):1080-1084(2010)Rikova, K., et al. Cell 131(6):1190-1203(2007)