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GTPBP5 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18271a

Specification

GTPBP5 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9H4K7

GTPBP5 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 26164

Other Names
Mitochondrial ribosome-associated GTPase 2, GTP-binding protein 5, Protein obg homolog 1, ObgH1, MTG2, GTPBP5, OBGH1

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.

GTPBP5 Antibody (N-term) Blocking Peptide - Protein Information

Name MTG2

Synonyms GTPBP5, OBGH1

Function
Plays a role in the regulation of the mitochondrial ribosome assembly and of translational activity. Displays GTPase activity. Involved in the ribosome maturation process.

Cellular Location
Mitochondrion. Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

GTPBP5 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GTPBP5 Antibody (N-term) Blocking Peptide - Images

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GTPBP5 Antibody (N-term) Blocking Peptide - Background

Small G proteins, such as GTPBP5, act as molecularswitches that play crucial roles in the regulation of fundamentalcellular processes such as protein synthesis, nuclear transport,membrane trafficking, and signal transduction (Hirano et al., 2006[PubMed 17054726]).

GTPBP5 Antibody (N-term) Blocking Peptide - References

Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Hirano, Y., et al. Genes Cells 11(11):1295-1304(2006)Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)Deloukas, P., et al. Nature 414(6866):865-871(2001)