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GTPBP3 Antibody(Center) Blocking peptide

Synthetic peptide
Catalog # BP19547c

Specification

GTPBP3 Antibody(Center) Blocking peptide - Product Information

Primary Accession Q969Y2

GTPBP3 Antibody(Center) Blocking peptide - Additional Information

Gene ID 84705

Other Names
tRNA modification GTPase GTPBP3, mitochondrial, GTP-binding protein 3, Mitochondrial GTP-binding protein 1, GTPBP3, MTGP1

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.

GTPBP3 Antibody(Center) Blocking peptide - Protein Information

Name GTPBP3

Synonyms MTGP1

Function
GTPase involved in the 5-carboxymethylaminomethyl modification (mnm(5)s(2)U34) of the wobble uridine base in mitochondrial tRNAs.

Cellular Location
Mitochondrion.

Tissue Location
Ubiquitously expressed.

GTPBP3 Antibody(Center) Blocking peptide - Protocols

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

- Blocking Peptides

GTPBP3 Antibody(Center) Blocking peptide - Images

GTPBP3 Antibody(Center) Blocking peptide - Background

This locus encodes a GTP-binding protein. The encodedprotein is localized to the mitochondria and may play a role inmitochondrial tRNA modification. Polymorphisms at this locus may beassociated with severity of aminoglycoside-induced deafness, adisease associated with a mutation in the 12S rRNA. Alternativelyspliced transcript variants encoding different isoforms have beendescribed.

GTPBP3 Antibody(Center) Blocking peptide - References

Reiling, E., et al. Eur. J. Hum. Genet. 17(8):1056-1062(2009)Villarroya, M., et al. Mol. Cell. Biol. 28(24):7514-7531(2008)Bykhovskaya, Y., et al. Mol. Genet. Metab. 83(3):199-206(2004)Li, X., et al. Biochem. Biophys. Res. Commun. 312(3):747-754(2003)Li, X., et al. Mol. Cell. Biol. 22(21):7701-7711(2002)