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GTPBP5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18271a

Specification

GTPBP5 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H4K7
Other Accession	NP_056481.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**43955**
Antigen Region	**78-104**

GTPBP5 Antibody (N-term) - Additional Information

Gene ID 26164

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

Target/Specificity
This GTPBP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-104 amino acids from the N-terminal region of human GTPBP5.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GTPBP5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GTPBP5 Antibody (N-term) - Protein Information

Name MTG2

Synonyms GTPBP5, OBGH1

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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.

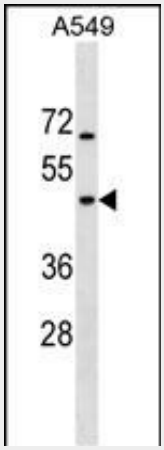
Cellular Location
Mitochondrion. Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

GTPBP5 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GTPBP5 Antibody (N-term) - Images



GTPBP5 Antibody (N-term) (Cat. #AP18271a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GTPBP5 antibody detected the GTPBP5 protein (arrow).

GTPBP5 Antibody (N-term) - Background

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

GTPBP5 Antibody (N-term) - 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)
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