

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

E~~Use at an assay dependent concentration.

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

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

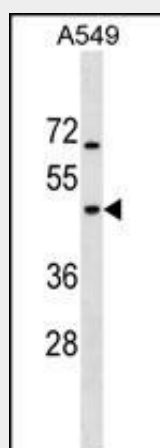
Mitochondrion. Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

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 Cytometry](#)
- [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)

Deloukas, P., et al. Nature 414(6866):865-871(2001)