

GUF1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12858A

Specification

GUF1 Antibody (N-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q8N442
Other Accession	NP_068746.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	74328
Antigen Region	183-212

GUF1 Antibody (N-term) - Additional Information

Gene ID 60558

Other Names

Translation factor GUF1, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03137}, 365-, Elongation factor 4 homolog {ECO:0000255|HAMAP-Rule:MF_03137}, EF-4 {ECO:0000255|HAMAP-Rule:MF_03137}, GTPase GUF1 {ECO:0000255|HAMAP-Rule:MF_03137}, Ribosomal back-translocase {ECO:0000255|HAMAP-Rule:MF_03137}, GUF1 {ECO:0000255|HAMAP-Rule:MF_03137}

Target/Specificity

This GUF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-212 amino acids from the N-terminal region of human GUF1.

Dilution

IHC-P~~1:10~50

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

GUF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GUF1 Antibody (N-term) - Protein Information

Name GUF1 {ECO:0000255|HAMAP-Rule:MF_03137}

Function Promotes mitochondrial protein synthesis. May act as a fidelity factor of the translation reaction, by catalyzing a one-codon backward translocation of tRNAs on improperly translocated ribosomes. Binds to mitochondrial ribosomes in a GTP-dependent manner.

Cellular Location

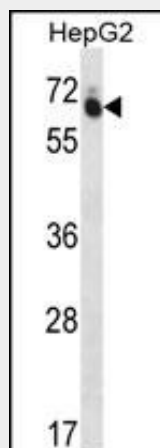
Mitochondrion inner membrane {ECO:0000255|HAMAP- Rule:MF_03137}; Peripheral membrane protein {ECO:0000255|HAMAP- Rule:MF_03137}; Matrix side {ECO:0000255|HAMAP-Rule:MF_03137}

GUF1 Antibody (N-term) - Protocols

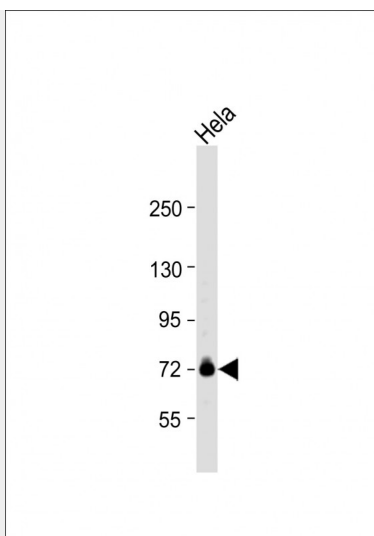
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

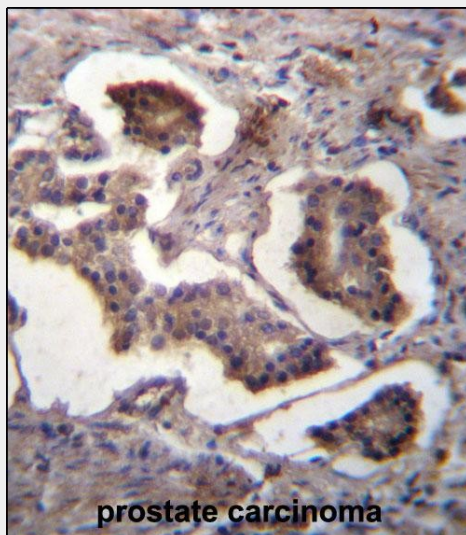
GUF1 Antibody (N-term) - Images



GUF1 Antibody (N-term) (Cat. #AP12858a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the GUF1 antibody detected the GUF1 protein (arrow).



Anti-GUF1 Antibody (N-term) at 1:1000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GUF1 Antibody (N-term) (Cat. #AP12858a) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GUF1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GUF1 Antibody (N-term) - References

Vasilescu, J., et al. J. Proteome Res. 6(1):298-305(2007)
Kiser, G.L., et al. Yeast 11(13):1311-1316(1995)