

GUF1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12858A

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8N442
Other Accession	NP_068746.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32635
Calculated MW	74328
Antigen Region	183-212

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	WB~~1:1000 IHC-P~~1:100~500 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.

Protein Information

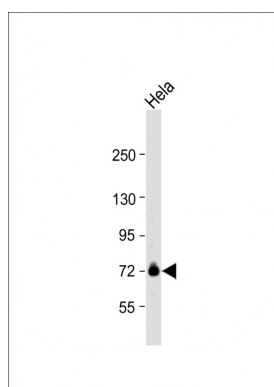
Name	GUF1 {ECO:0000255 HAMAP-Rule:MF_03137}
Function	Promotes mitochondrial protein synthesis. May act as a fidelity factor of the translation reaction, by catalyzing a one-codon backward translocation of tRNAs on improperly translocated ribosomes. Binds to mitochondrial ribosomes in a GTP-dependent 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}

References

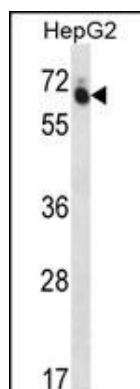
Vasilescu, J., et al. J. Proteome Res. 6(1):298-305(2007)

Kiser, G.L., et al. Yeast 11(13):1311-1316(1995)

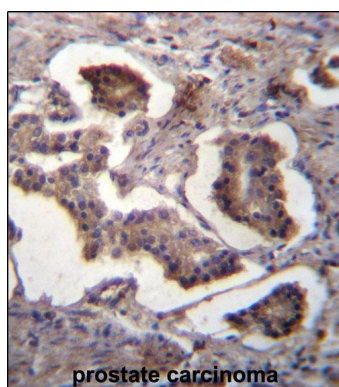
Images



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) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the GUF1 antibody detected the GUF1 protein (arrow).



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.