

Guf1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14145

Product Information

Application	WB
Primary Accession	Q8C3X4
Other Accession	NM_172711 , NP_766299
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72463

Additional Information

Gene ID	231279
Alias Symbol	4631409J12, AA407526, EF-4
Other Names	Translation factor Guf1, mitochondrial {ECO:0000255 HAMAP-Rule:MF_03137}, 3.6.5.-, 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
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Guf1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Guf1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Guf1
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.

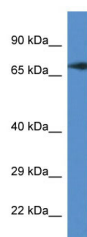
Cellular Location

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

Carninci P.,et al.Science 309:1559-1563(2005).

Images



WB Suggested Anti-Guf1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain

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