

Guf1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14145**Specification**

Guf1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q8C3X4
Other Accession	NM_172711 , NP_766299
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72kDa KDa

Guf1 antibody - C-terminal region - 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.

Guf1 antibody - C-terminal region - 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.

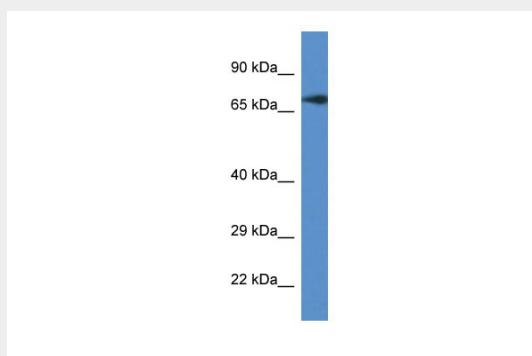
Cellular Location

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}

Guf1 antibody - C-terminal region - 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 - C-terminal region - Images

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

Guf1 antibody - C-terminal region - References

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