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EF-G2 Polyclonal Antibody

Catalog # AP69660

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q969S9
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86601

Additional Information

Gene ID	84340
Other Names	GFM2; EFG2; MSTP027; Ribosome-releasing factor 2; mitochondrial; RRF2mt; Elongation factor G 2, mitochondrial; EF-G2mt; mEF-G 2; Elongation factor G2; hEFG2
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

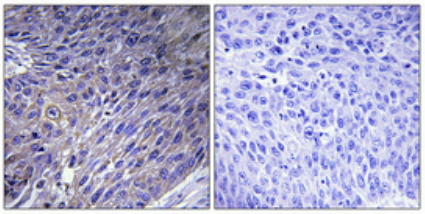
Protein Information

Name	GFM2 {ECO:0000255|HAMAP-Rule:MF_03059}
Function	Mitochondrial GTPase that mediates the disassembly of ribosomes from messenger RNA at the termination of mitochondrial protein biosynthesis (PubMed:19716793, PubMed:33878294). Acts in collaboration with MRRF (PubMed:19716793, PubMed:33878294). Promotes mitochondrial ribosome recycling by dissolution of intersubunit contacts (PubMed:33878294). GTP hydrolysis follows the ribosome disassembly and probably occurs on the ribosome large subunit (PubMed:19716793). Not involved in the GTP-dependent ribosomal translocation step during translation elongation (PubMed:19716793).
Cellular Location	Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03059}.
Tissue Location	Widely expressed..

Background

Mitochondrial GTPase that mediates the disassembly of ribosomes from messenger RNA at the termination of mitochondrial protein biosynthesis. Acts in collaboration with MRRF. GTP hydrolysis follows the ribosome disassembly and probably occurs on the ribosome large subunit. Not involved in the GTP-dependent ribosomal translocation step during translation elongation.

Images



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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