Product Name: EF-G2 Rabbit Polyclonal Antibody
Catalog #: APRab10322

Summary

Production Name	EF-G2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,WB,IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GFM2
Alternative Names	GFM2; EFG2; MSTP027; Ribosome-releasing factor 2; mitochondrial; RRF2mt; Elongation factor G 2, mitochondrial; EF-G2mt; mEF-G 2; Elongation factor G2; hEFG2
Gene ID	84340.0
SwissProt ID	Q969S9.The antiserum was produced against synthesized peptide derived from human GFM2. AA range:441-490

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	87kD

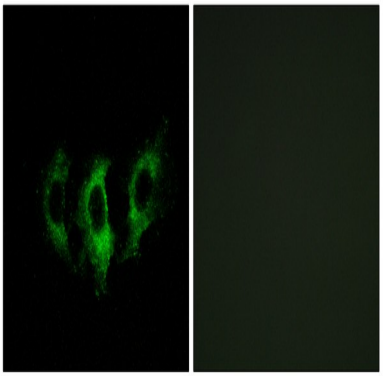
Product Name: EF-G2 Rabbit Polyclonal Antibody
Catalog #: APRab10322

Background

Eukaryotes contain two protein translational systems, one in the cytoplasm and one in the mitochondria. Mitochondrial translation is crucial for maintaining mitochondrial function and mutations in this system lead to a breakdown in the respiratory chain-oxidative phosphorylation system and to impaired maintenance of mitochondrial DNA. This gene encodes one of the mitochondrial translation elongation factors, which is a GTPase that plays a role at the termination of mitochondrial translation by mediating the disassembly of ribosomes from messenger RNA . Its role in the regulation of normal mitochondrial function and in disease states attributed to mitochondrial dysfunction is not known. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2013],translation, mitochondrion organization, cellular component disassembly, mitochondrial translation, ribosome disassembly, macromolecular complex disassembly, ribonucleoprotein complex disassembly, cellular macromolecular complex subunit organization, cellular macromolecular complex disassembly, macromolecular complex subunit organization,

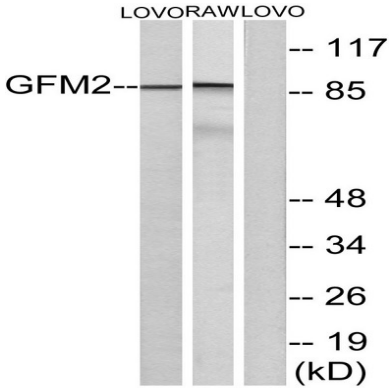
Research Area

Image Data

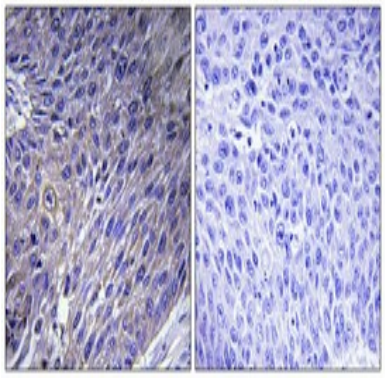


Immunofluorescence analysis of A549 cells, using GFM2 Antibody. The picture on the right is blocked with the synthesized peptide.

Product Name: EF-G2 Rabbit Polyclonal Antibody
Catalog #: APRab10322



Western blot analysis of lysates from LOVO and RAW264.7 cells, using GFM2 Antibody. The lane on the right is blocked with the synthesized peptide.



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.

Note

For research use only.