

Rabbit anti-Human GFM2 Polyclonal Antibody | anti-GFM2 antibody

GFM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324706	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

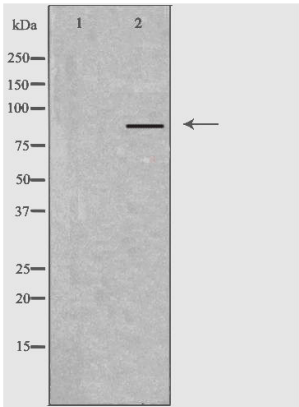
PRODUCT SYNONYMS

GFM2; Polyclonal Antibody; GFM2 Antibody; EF-G2mt; EFG2; EFG2mt; elongation factor G 2; mitochondrial; Elongation factor G2; G elongation factor mitochondrial 2; hEFG2; mEFG 2; mEFG2; Mitochondrial elongation factor G2; mitochondrial ribosome recycling factor 2; MRRF2; MST027; MSTP027; OTTHUMP00000222951; OTTHUMP00000222952; ribosome-releasing factor 2; RRF2; RRF2mt; anti-GFM2 antibody

PRODUCT SPECIFICATIONS

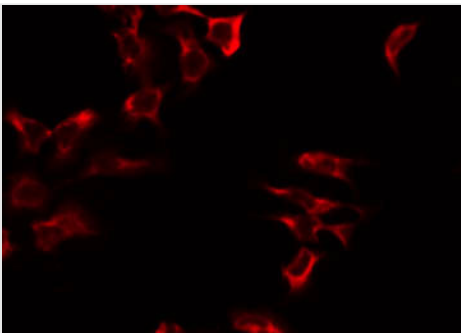
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GFM2 antibody detects endogenous levels of total GFM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	811
Applicable Applications for anti-GFM2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrial
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Horse, Dog
Similarity	Pig (91%), Horse (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from LOVO cells using GFM2 antibody.



IF (Immunofluorescence)

AAA324706 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GFM2 antibody

Function: 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.

Similarity: Belongs to the TRAFAC class translation factor GTPase superfamily. Classic translation factor GTPase family. EF-G/EF-2 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	526479814
NCBI GeneID	84340
NCBI Accession #	NP_001268231.1
NCBI GenBank Nucleotide #	NM_001281302.1
UniProt Accession #	Q969S9; Q8N6D8; Q8WYI0; Q9H6Z1; A0AR28
Molecular Weight	Observed: 87 kD Predicted: 87 kDa
NCBI Official Full Name	ribosome-releasing factor 2, mitochondrial isoform 4
NCBI Official Synonym Full Names	G elongation factor mitochondrial 2
NCBI Official Symbol	GFM2
NCBI Official Synonym Symbols	EFG2; RRF2; MRRF2; hEFG2; MST027; RRF2mt; EF-G2mt; MSTP027; mEF-G 2
NCBI Protein Information	ribosome-releasing factor 2, mitochondrial
UniProt Protein Name	Ribosome-releasing factor 2, mitochondrial
UniProt Gene Name	GFM2
UniProt Synonym Gene Names	EFG2UniRule annotationManual assertion according to rulesiHAMAP-Rule:MF_03059; RRF2mt

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.