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[Marker Primary Antibody]

Rabbit Anti-GFM2/Biotin Conjugated antibody

Catalog Number: SL13339R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GFM2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human GFM2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Dog,Pig,Cow,Sheep)
Background:	background: GFM2 is a mitochondrial translation elongation factor. Its role in the regulation of normal mitochondrial function and in different disease states attributed to mitochondrial dysfunction is not known. 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. **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

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	in the GTP-dependent ribosomal translocation step during translation elongation. **Subcellular Location:** Mitochondrial. **Tissue Specificity:** Widely expressed. **Similarity:** Belongs to the GTP-binding elongation factor family. EF-G/EF-2 subfamily. **Database links:** UniProtKB/Swiss-Prot: Q969S9.1 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.