Datasheet for ABIN5003404

anti-GFM2 antibody (AA 151-250) (Alexa Fluor 750)

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Overview

Quantity:	100 µL
Target:	GFM2
Binding Specificity:	AA 151-250
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFM2 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GFM2
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	GFM2
Alternative Name:	GFM2 (GFM2 Products)

Target Details

Background:	Synonyms: EF-G2mt, EFG2, EFG2mt, elongation factor G 2, mitochondrial, Elongation factor G2, G elongation factor mitochondrial 2, GFM2, hEFG2, mEFG 2, mEFG2, Mitochondrial elongation factor G2, mitochondrial ribosome recycling factor 2, MRRF2, MST027, MSTP027, OTTHUMP00000222951, OTTHUMP00000222952, ribosome-releasing factor 2, mitochondrial, RRF2, RRF2mt. 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.
Gene ID:	84340
UniProt:	Q969S9
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Handling

Expiry Date:	12 months

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