

Anti-GFM2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Pig,Cow,Sheep)
Molecular Weight:	Theoretical: 87 kDa. Actual: 63 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Protein: A549 (human) lyates at 40 µg; Primary: Rabbit Anti-GFM2 (TMAB-06447) at 1:300; Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG (H+L) at 1: 10000; Predicted band size:87 kD Observed band size: 63 kD
	2. Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GFM2) Polyclonal Antibody, Unconjugated (TMAB-06447) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GFM2
Antigen Species:	Human
Gene ID:	84340
Uniprot ID:	Q969S9

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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