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anti-GFM2 antibody (C-Term)





Overview

Quantity:	100 μL
Target:	GFM2
Binding Specificity:	C-Term
Reactivity:	Human, Horse, Pig, Dog, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFM2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human GFM2
Sequence:	TVGLKHTATG DTIVSSKSSA LAAARRAERE GEKKHRQNNE AERLLLAGVE
Predicted Reactivity:	Cow: 79%, Dog: 93%, Horse: 86%, Human: 100%, Pig: 86%
Characteristics:	This is a rabbit polyclonal antibody against GFM2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GFM2
Alternative Name:	GFM2 (GFM2 Products)
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. GFM2 is one of mitochondrial	
translation elongation factors. Its role in the regulation of normal mitochondrial function and in	
different disease states attributed to mitochondrial dysfunction is not known.	
Alias Symbols: EFG2, MRRF2, MST027, RRF2, RRF2mt, hEFG2, EF-G2mt, mEF-G 2	

Protein Interaction Partner: TRIM9, BANP, VPS52, TRIM27, UBC,

Protein Size: 779

Molecular Weight:	86 kDa
Gene ID:	84340
NCBI Accession:	NM_032380, NP_115756
UniProt:	Q969S9
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

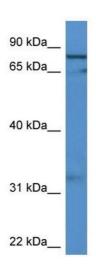
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 779 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



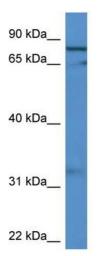
Western Blotting

Image 1. WB Suggested Anti-GFM2 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: MCF7 cell lysate



Rabbit Anti-GFM2 Antibody Catalog Number: ARP60546 Lot Number: QC31284 Lane: MCF7 Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-GFM2

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: MCF7 cell lysate