Rabbit anti-Human, mouse GRPEL2 Polyclonal Antibody | anti-GRPEL2 antibody

GRPEL2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284540	**Rabbit**	**Human, mouse**	**ELISA, Western Blot**

PRODUCT SYNONYMS

GRPEL2; Polyclonal Antibody; GRPEL2 Antibody (N-term); GrpE protein homolog 2; mitochondrial; Mt-GrpE#2; anti-GRPEL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRPEL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human GRPEL2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	14-43
Sequence Length	225
Applicable Applications for anti-GRPEL2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

WB (Western Blot)
GRPEL2 Antibody (N-term) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the GRPEL2 antibody detected the GRPEL2 protein (arrow).

WB (Western Blot)
GRPEL2 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GRPEL2 antibody detected the GRPEL2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GRPEL2 antibody	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins. Stimulates ATPase activity of mt-HSP70. May also serve to modulate the interconversion of oligomeric (inactive) and monomeric (active) forms of mt-HSP70 (By similarity).
Product Categories/Family for anti-GRPEL2 antibody	Signal Transduction
References	Lamesch, P., et al. Genomics 89(3):307-315(2007) Naylor, D.J., et al. J. Biol. Chem. 273(33):21169-21177(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	40255109
NCBI GeneID	134266
NCBI Accession #	NP_689620.2
NCBI GenBank Nucleotide #	NM_152407.3
UniProt Accession #	Q8TAA5; Q49AJ6; B4DFA6
Molecular Weight	25431
NCBI Official Full Name	grpE protein homolog 2, mitochondrial
NCBI Official Synonym Full Names	GrpE-like 2, mitochondrial (E. coli)
NCBI Official Symbol	GRPEL2
NCBI Official Synonym Symbols	Mt-GrpE#2
NCBI Protein Information	grpE protein homolog 2, mitochondrial
UniProt Protein Name	GrpE protein homolog 2, mitochondrial
UniProt Gene Name	**GRPEL2**
UniProt Entry Name	GRPE2_HUMAN

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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/grpel2-antibody-western-blot-elisa/284540