

GRPEL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17977c

Product Information

Application	WB, E
Primary Accession	Q9HAV7
Other Accession	NP_079472.1
Reactivity	Human
Predicted	Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38265
Calculated MW	24279
Antigen Region	116-142

Additional Information

Gene ID	80273
Other Names	GrpE protein homolog 1, mitochondrial, HMGE, Mt-GrpE#1, GRPEL1, GREPEL1
Target/Specificity	This GRPEL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-142 amino acids from the Central region of human GRPEL1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GRPEL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GRPEL1
Synonyms	GREPEL1
Function	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 (By similarity). Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins (PubMed:[11311562](#)).

Cellular Location

Mitochondrion matrix

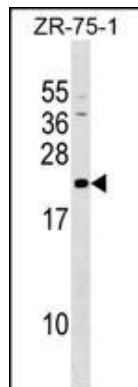
Background

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.

References

Borges, J.C., et al. J. Biol. Chem. 278(37):35337-35344(2003)
Choglay, A.A., et al. Gene 267(1):125-134(2001)

Images



GRPEL1 Antibody (Center) (Cat. #AP17977c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the GRPEL1 antibody detected the GRPEL1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.