10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRPEL2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19185a

Specification

GRPEL2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8TAA5
Other Accession	NP_689620.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25431**
Antigen Region	**14-43**

GRPEL2 Antibody (N-term) - Additional Information

Gene ID 134266

Other Names
GrpE protein homolog 2, mitochondrial, Mt-GrpE#2, GRPEL2

Target/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.

Dilution
WB~~1:1000

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
GRPEL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GRPEL2 Antibody (N-term) - Protein Information

Name GRPEL2

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. 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).

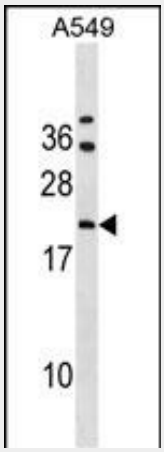
Cellular Location
Mitochondrion matrix.

GRPEL2 Antibody (N-term) - Protocols

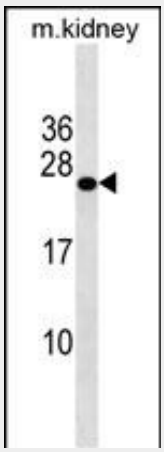
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRPEL2 Antibody (N-term) - Images



GRPEL2 Antibody (N-term) (Cat. #AP19185a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GRPEL2 antibody detected the GRPEL2 protein (arrow).



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRPEL2 Antibody (N-term) (Cat. #AP19185a) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the GRPEL2 antibody detected the GRPEL2 protein (arrow).

GRPEL2 Antibody (N-term) - 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. 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).

GRPEL2 Antibody (N-term) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Naylor, D.J., et al. J. Biol. Chem. 273(33):21169-21177(1998)