

**GRPEL2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19185a****Specification**

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**GRPEL2 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q8TAA5](#)

**GRPEL2 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 134266

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GRPEL2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GRPEL2 Antibody (N-term) Blocking Peptide - Images**

**GRPEL2 Antibody (N-term) Blocking Peptide - Background**

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**GRPEL2 Antibody (N-term) Blocking Peptide - References**

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