

**PMPCB Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4990a****Specification**

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

Primary Accession [O75439](#)  
Other Accession [NP\\_004270](#)

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

**Gene ID** 9512

**Other Names**

Mitochondrial-processing peptidase subunit beta, Beta-MPP, P-52, PMPCB, MPPB

**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.

**PMPCB Antibody (N-term) Blocking Peptide - Protein Information**

**Name** PMPCB

**Synonyms** MPPB

**Function**

Catalytic subunit of the essential mitochondrial processing protease (MPP), which cleaves the mitochondrial sequence off newly imported precursor proteins (PubMed:<a href="http://www.uniprot.org/citations/29576218" target="\_blank">29576218</a>) (Probable). Preferentially, cleaves after an arginine at position P2 (By similarity). Required for PINK1 turnover by coupling PINK1 mitochondrial import and cleavage, which results in subsequent PINK1 proteolysis (PubMed:<a href="http://www.uniprot.org/citations/22354088" target="\_blank">22354088</a>).

**Cellular Location**

Mitochondrion matrix

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

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

- [Blocking Peptides](#)

#### **PMPCB Antibody (N-term) Blocking Peptide - Images**

#### **PMPCB Antibody (N-term) Blocking Peptide - Background**

PMPCB is a member of the peptidase M16 family and encodes a protein with a zinc-binding motif. This protein is located in the mitochondrial matrix and catalyzes the cleavage of the leader peptides of precursor proteins newly imported into the mitochondria, though it only functions as part of a heterodimeric complex.

#### **PMPCB Antibody (N-term) Blocking Peptide - References**

Luczynski, W., et al. Neoplasma 56(5):428-434(2009) Schwer, B., et al. J. Cell Biol. 158(4):647-657(2002) Nagao, Y., et al. J. Biol. Chem. 275(44):34552-34556(2000)