

PREPL Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5565b**Specification****PREPL Antibody (C-term) Blocking peptide -
Product Information**

Primary Accession [Q4J6C6](#)
Other Accession [NP_006027.2](#)

**PREPL Antibody (C-term) Blocking peptide -
Additional Information**

Gene ID 9581

Other Names

Prolyl endopeptidase-like, 3421-,
Prolylendopeptidase-like, PREPL, KIAA0436

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.

**PREPL Antibody (C-term) Blocking peptide -
Protein Information**

Name PREPL

Synonyms KIAA0436

Function

Serine peptidase whose precise substrate
specificity remains unclear (PubMed:<a href=
"http://www.uniprot.org/citations/1614382
4" target="_blank">16143824,
PubMed:<a href="http://www.uniprot.org/ci
tations/16385448" target="_blank">16385448,

**PREPL Antibody (C-term) Blocking peptide
- Background**

The protein encoded by this gene belongs to
the prolyloligopeptidase subfamily of serine
peptidases. Mutations in this gene have been
associated with hypotonia-cystinuria
syndrome, also known as the 2p21 deletion
syndrome.

**PREPL Antibody (C-term) Blocking peptide
- References**

Parvari, R., et al. Genomics
86(2):195-211(2005) Kim, D.K., et al. Biochim.
Biophys. Acta 1565(1):112-121(2002) Parvari,
R., et al. Am. J. Hum. Genet.
69(4):869-875(2001) Robertson, N.G., et al.
Genomics 23(1):42-50(1994)

PubMed:28726805). Does not cleave peptides after a arginine or lysine residue (PubMed:16143824). Regulates trans-Golgi network morphology and sorting by regulating the membrane binding of the AP-1 complex (PubMed:23321636). May play a role in the regulation of synaptic vesicle exocytosis (PubMed:24610330).

Cellular Location

Cytoplasm, cytosol. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q8C167}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8C167}. Golgi apparatus {ECO:0000250|UniProtKB:Q8C167}. Nucleus Note=Co-localizes with AP-1 in the trans-Golgi network (By similarity) Co-localizes with MAP2 and ACTB on the cytoskeleton (By similarity) Co-localizes with STX6 and GOSR2 at the Golgi apparatus (By similarity). {ECO:0000250|UniProtKB:Q8C167}

Tissue Location

Expressed in pyramidal neurons of the temporal cortex and neocortex (at protein level) (PubMed:23485813). Widely expressed (PubMed:15913950, PubMed:16385448). Expressed at higher level in brain, skeletal muscle, heart and kidney (PubMed:15913950, PubMed:16385448). Expressed at the endplates in the neuromuscular junction (PubMed:24610330).

PREPL Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)