

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

PREPL Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O4J6C6](#)
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:16143824, PubMed:16385448, 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](#)

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