

PREPL Antibody
Rabbit mAb
Catalog # AP93083**Specification**

PREPL Antibody - Product Information

Application WB, IHC, ICC, IP
Primary Accession [Q4J6C6](#)
Reactivity Rat
Clonality Monoclonal
Other Names
prepl; Prolyl endopeptidase-like;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 83927 Da

PREPL Antibody - Additional Information

Dilution WB~~1:1000
IHC~~1:100~500
ICC~~N/A
IP~~N/A
Purification Affinity-chromatography
Immunogen A synthesized peptide derived from human PREPL
Description Probable serine peptidase whose precise substrate specificity remains unclear. Does not cleave peptides after a arginine or lysine residue.
Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

PREPL Antibody - 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

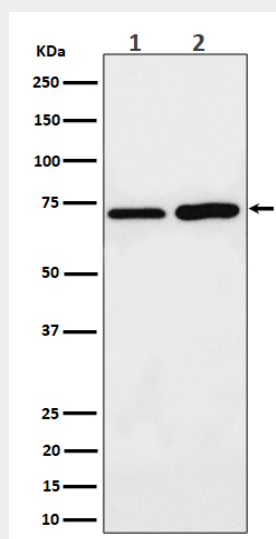
Expressed in pyramidal neurons of the temporal cortex and neocortex (at protein level) (PubMed:23485813). Widely expressed (PubMed:15913950, PubMed:16385448). Expressed at higher level in brain, skeletal muscle, heart and kidney (PubMed:15913950, PubMed:16385448). Expressed at the endplates in the neuromuscular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

PREPL Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PREPL Antibody - Images



Western blot analysis of PREPL expression in (1) MCF7 cell lysate; (2) C6 cell lysate.