

# PREPL Antibody

Rabbit mAb

Catalog # AP93083

## Product Information

<b>Application</b>	WB, IHC, IF, ICC, IP, IHF
<b>Primary Accession</b>	<a href="#">Q4J6C6</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	prepl; Prolyl endopeptidase-like;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	83927

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human PREPL
<b>Description</b>	Probable serine peptidase whose precise substrate specificity remains unclear. Does not cleave peptides after a arginine or lysine residue.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

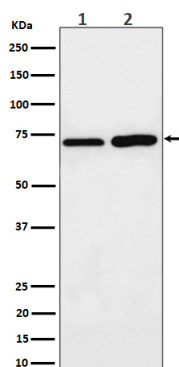
<b>Name</b>	PREPL
<b>Synonyms</b>	KIAA0436
<b>Function</b>	Serine peptidase whose precise substrate specificity remains unclear (PubMed: <a href="#">16143824</a> , PubMed: <a href="#">16385448</a> , PubMed: <a href="#">28726805</a> ). Does not cleave peptides after a arginine or lysine residue (PubMed: <a href="#">16143824</a> ). Regulates trans-Golgi network morphology and sorting by regulating the membrane binding of the AP-1 complex (PubMed: <a href="#">23321636</a> ). May play a role in the regulation of synaptic vesicle exocytosis (PubMed: <a href="#">24610330</a> ).
<b>Cellular Location</b>	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).

## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.