

# PPCEL Rabbit mAb

Catalog # AP76665

## Product Information

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<b>Application</b>	WB, IHC-P, IP
<b>Primary Accession</b>	<a href="#">Q4J6C6</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	83927

## Additional Information

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<b>Gene ID</b>	9581
<b>Other Names</b>	PREPL
<b>Dilution</b>	WB~~1:1000 IHC-P~~N/A IP~~N/A
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<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).

### **Background**

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Serine peptidase whose precise substrate specificity remains unclear.

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