

KD-Validated Anti-Prolyl Endopeptidase Like Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1642**Specification****KD-Validated Anti-Prolyl Endopeptidase Like Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q4J6C6
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 84 kDa , observed , 70 kDa KDa
Gene Name	PREPL
Aliases	Prolyl Endopeptidase Like; Prolyl Endopeptidase-Like; KIAA0436; Putative Prolyl Oligopeptidase; Prolylendopeptidase-Like; EC 3.4.21.83; EC 3.4.21.-; EC 3.4.21; CMS22
Immunogen	A synthesized peptide derived from human PREPL

KD-Validated Anti-Prolyl Endopeptidase Like Rabbit Monoclonal Antibody - Additional Information

Gene ID	9581
Other Names	
Prolyl endopeptidase-like, 3.4.21.-, Prolylendopeptidase-like, PREPL, KIAA0436	

KD-Validated Anti-Prolyl Endopeptidase Like Rabbit Monoclonal 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

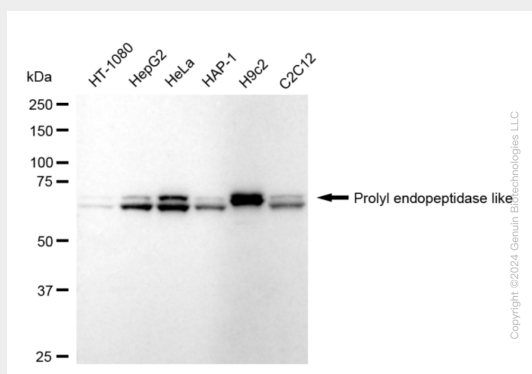
Expressed in pyramidal neurons of the temporal cortex and neocortex (at protein level) (PubMed:23485813). Widely expressed (PubMed:15913950, PubMed:16385448). Expressed at higher level in brain, skeletal muscle, heart and kidney (PubMed:15913950, PubMed:16385448). Expressed at the endplates in the neuromuscular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

KD-Validated Anti-Prolyl Endopeptidase Like Rabbit Monoclonal Antibody - Protocols

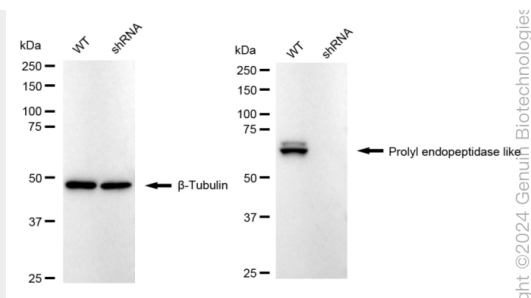
Provided below are standard protocols that you may find useful for product applications.

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

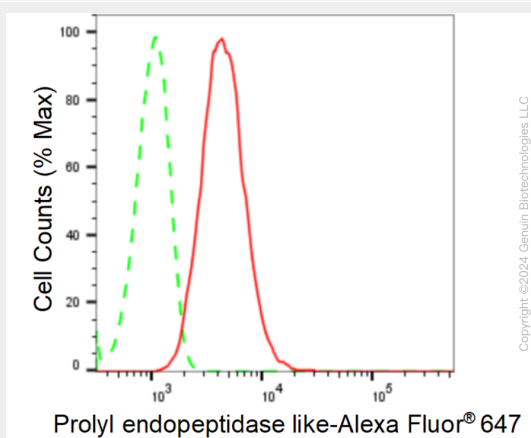
KD-Validated Anti-Prolyl Endopeptidase Like Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Prolyl endopeptidase like antibody (Cat#AGI1642). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Prolyl endopeptidase like antibody (Cat#AGI1642, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Prolyl endopeptidase like antibody (Cat#AGI1642). Prolyl endopeptidase like expression in wild type (WT) and Prolyl endopeptidase like shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Prolyl endopeptidase like antibody (Cat#AGI1642, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Prolyl endopeptidase like expression in H9c2 cells using anti-Prolyl endopeptidase like antibody (Cat#AGI1642, 1:2,000). Green, isotype control; red, Prolyl endopeptidase like.