

Legumain Rabbit mAb
Catalog # AP75671**Specification**

Legumain Rabbit mAb - Product Information

Application	WB
Primary Accession	Q99538
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	49411

Legumain Rabbit mAb - Additional Information**Gene ID** 5641**Other Names**
LGMN**Dilution**
WB~~1/500-1/1000**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Legumain Rabbit mAb - Protein Information****Name** LGMN {ECO:0000303|PubMed:30425301, ECO:0000312|HGNC:HGNC:9472}**Function**

Has a strict specificity for hydrolysis of asparaginyl bonds (PubMed:23776206). Can also cleave aspartyl bonds slowly, especially under acidic conditions (PubMed:23776206). Involved in the processing of proteins for MHC class II antigen presentation in the lysosomal/endosomal system (PubMed:9872320). Also involved in MHC class I antigen presentation in cross-presenting dendritic cells by mediating cleavage and maturation of Perforin-2 (MPEG1), thereby promoting antigen translocation in the cytosol (By similarity). Required for normal lysosomal protein degradation in renal proximal tubules (By similarity). Required for normal degradation of internalized EGFR (By similarity). Plays a role in the regulation of cell proliferation via its role in EGFR degradation (By similarity).

Cellular Location
Lysosome.

Tissue Location

Ubiquitous. Particularly abundant in kidney, heart and placenta.

Legumain Rabbit mAb - 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](#)

Legumain Rabbit mAb - Images