

# Legumain (LGMN) Rabbit mAb

Catalog No.: A6829 **Recombinant** **2 Publications**

## Basic Information

### Observed MW

34kDa/46kDa/56kDa

### Calculated MW

49kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC1864

## Background

This gene encodes a cysteine protease that has a strict specificity for hydrolysis of asparaginyl bonds. This enzyme may be involved in the processing of bacterial peptides and endogenous proteins for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is triggered by acidic pH and appears to be autocatalytic. Protein expression occurs after monocytes differentiate into dendritic cells. A fully mature, active enzyme is produced following lipopolysaccharide expression in mature dendritic cells. Overexpression of this gene may be associated with the majority of solid tumor types. This gene has a pseudogene on chromosome 13. Several alternatively spliced transcript variants have been described, but the biological validity of only two has been determined. These two variants encode the same isoform.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

5641

### Swiss Prot

Q99538

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 210-302 of human Legumain (LGMN) (Q99538).

### Synonyms

AEP; LGMN1; PRSC1; Legumain (LGMN)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

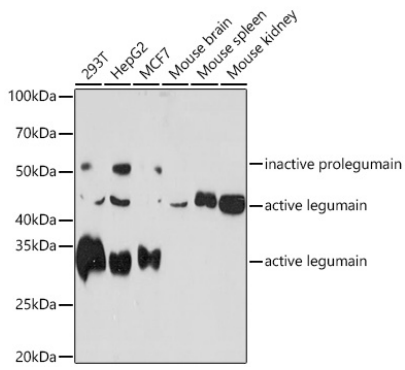
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using Legumain (LGMN) (LGMN) Rabbit mAb (A6829) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.