

LGMN

Reactivity:Human Mouse Rat

Tested applications:WB

Recommended Dilution:WB 1:1000 - 1:2000

Calculated MW:49kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human LGMN

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

AEP; LGMN1; PRSC1;

Catalog #:A10570

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5641

Isotype:IgG

Swiss Prot:Q99538

Purity:Affinity purification

For research use only.

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.

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