

Datasheet for ABIN7268208

**anti-LGMN antibody****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	LGMN
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This LGMN antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Legumain (LGMN) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Legumain (LGMN) (LGMN)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	LGMN
Alternative Name:	LGMN ( <a href="#">LGMN Products</a> )
Background:	This gene encodes a cysteine protease that has a strict specificity for hydrolysis of asparaginyl

## Target Details

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. [provided by RefSeq, Jul 2008],AEP, LGMN1, PRSC1,Cancer,Cell Biology & Developmental Biology,Cytoskeleton,Endocrine & Metabolism,Extracellular Matrix,Extracellular Matrix\_Bone,Immunology & Inflammation,Signal Transduction,Ubiquitin,LGMN

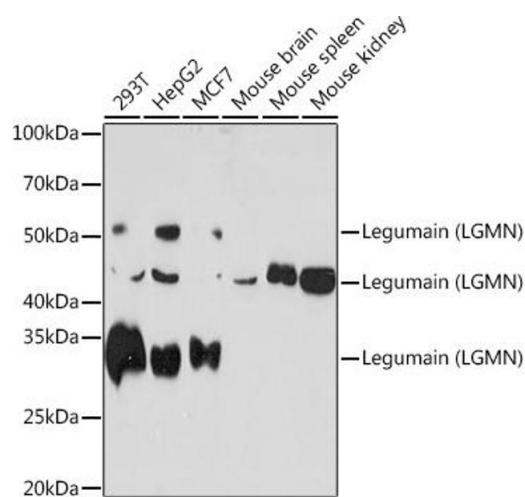
Molecular Weight:	36,57kDa
Gene ID:	5641
UniProt:	<a href="#">Q99538</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using Legumain (LGMN) (LGMN) Rabbit mAb (ABIN7268208) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.