

Rabbit Legumain Polyclonal Antibody | anti-LGMN antibody

Rabbit anti Legumain Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14072	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot

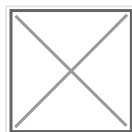
PRODUCT SYNONYMS

Legumain; Polyclonal Antibody; Rabbit anti Legumain Polyclonal Antibody; LGMN; AEP; PRSC1; anti-LGMN antibody

PRODUCT SPECIFICATIONS

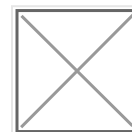
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes ~50 kDa of Legumain protein. It reacts with human, rat and mouse. The other species are not tested.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Sequence Length	433
Applicable Applications for anti-LGMN antibody	ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	ELISA: 0.01-0.1 ug/ml Immunohistochemistry: 0.5-2 ug/ml Immunoprecipitation: 2-5 ug/ml Western Blot: 0.1-1 ug/ml Optimal dilutions should be determined by researchers for the specific applications.
Antigen Preparation	A synthetic peptide corresponding to the internal sequence (a portion from 100aa-190aa) of human Legumain protein. This sequence is identical to mouse, human and rat.
Positive Control	HT-29
Cellular Location	Cytoplasmic
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

IHC: Human ovary carcinoma stained with Anti-Legumain (AAA14072) 1:200 dilution. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



WB (Western Blot)

Western Blot: The cell lysate derived from HT-29 (lane 1), HeLa (Lane 2) and mouse kidney (lane 3) were resolved onto 10% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rb anti Legumain antibody (AAA14072) at 1:500. An immunoreactive band around ~50 kDa was observed.

ADDITIONAL INFORMATION

Related Product Information for anti-LGMN antibody	Legumain, a 433 amino acid protein with 17 aa signal sequence, is a cystein protease that has a strict specificity for hydrolysis of asparaginylnyl 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. Overexpression of this gene may be associated with the majority of solid tumor types. This novel asparaginylnyl endopeptidase has been observed to be highly expressed in several types of tumors including colorectal cancer.
References	Murthy, R.V. et al, Legumain Expression in Relation to Clinicopathologic and Biological Variables in Colorectal Cancer. Clinical Cancer Research. 11 (6), 2293-2299 (2005).

NCBI AND UNIPROT INFORMATION

NCBI GI #	56682964
NCBI GeneID	5641
NCBI Accession #	NP_001008530.1
NCBI GenBank Nucleotide #	NM_001008530.2
UniProt Accession #	Q99538; O00123; Q86TV2; Q86TV3; Q9BTY1
Molecular Weight	~50 kDa
NCBI Official Full Name	legumain preproprotein
NCBI Official Synonym Full Names	legumain
NCBI Official Symbol	LGMN
NCBI Official Synonym Symbols	AEP; LGMN1; PRSC1
NCBI Protein Information	legumain
UniProt Protein Name	Legumain
UniProt Gene Name	LGMN
UniProt Synonym Gene Names	PRSC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/legumain-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/14072>