

Product datasheet for **TA354520**

Legumain (LGMN) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | 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. |
| Formulation: | This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer. |
| Purification: | The Rabbit IgG is purified by Epitope Affinity Purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | ~50 kDa |
| Gene Name: | legumain |
| Database Link: | NP_001008530 Entrez Gene 19141 Mouse Entrez Gene 63865 Rat Entrez Gene 5641 Human Q99538 |
| Background: | Legumain, a 433 amino acid protein with 17 aa signal sequence, is a cystein 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. Overexpression of this gene may be associated with the majority of solid tumor types. This novel asparaginyl endopeptidase has been observed to be highly expressed in several types of tumors including colorectal cancer. |

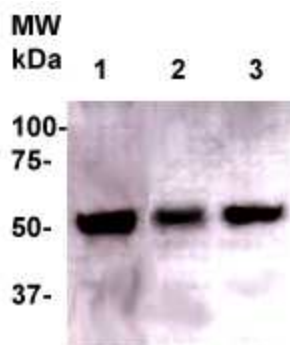


[View online »](#)

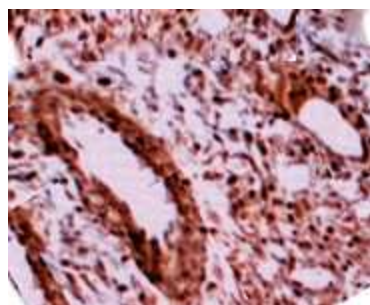
Synonyms: AEP; LGMN1; PRSC1

Protein Families: Druggable Genome, Protease

Protein Pathways: Antigen processing and presentation, Lysosome

Product images:

WB: 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 at 1:500. An immunoreactive band around ~50 kDa was observed.



IHC: Human ovary carcinoma stained with Anti-Legumain 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.