



# Anti-LGMN polyclonal antibody [Biotin] (DPABY-532)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Legumain is a lysosomal cysteine protease that plays a pivotal role in the endosomal/lysosomal degradation system. Legumain deficiency causes the accumulation of pro-Cathepsins B, H and L, another group of lysosomal cysteine proteases. Overexpression of Legumain in tumors is significant for invasion/metastasis. Also known as Asparaginyl Endopeptidase, it specifically cleaves peptide bonds with Asn or Asp at the P1 position.
<b>Specificity</b>	Detects human Legumain/Asparaginyl Endopeptidase in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant mouse Legumain is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Legumain/Asparaginyl Endopeptidase. Ile18-Tyr433 Accession Number Q99538
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

<b>Preservative</b>	None
<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">LGMN legumain [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	LGMN
<b>Synonyms</b>	LGMN; legumain; AEP; LGMN1; PRSC1; cysteine protease 1; protease, cysteine 1; asparaginyl endopeptidase; protease, cysteine, 1 (legumain);
<b>Entrez Gene ID</b>	<a href="#">5641</a>
<b>Protein Refseq</b>	<a href="#">NP_001008530</a>
<b>UniProt ID</b>	<a href="#">Q53XC6</a>
<b>Chromosome Location</b>	14q32.1
<b>Pathway</b>	Adaptive Immune System; Antigen processing and presentation; Immune System; Innate Immune System; Lysosome; MHC class II antigen presentation; Metabolism; Metabolism of lipids and lipoproteins;
<b>Function</b>	cysteine-type endopeptidase activity; peptidase activity;