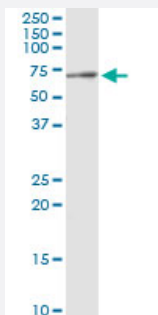


# LG MN (Human) IP-WB Antibody Pair

Catalog # H00005641-PW2

Size 1 Set

## Applications



Immunoprecipitation of LG MN transfected lysate using mouse monoclonal anti-LG MN and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-LG MN.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of LG MN transfected lysate using mouse monoclonal anti-LG MN and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with rabbit polyclonal anti-LG MN.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-LG MN (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-LG MN (50 ul)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — LGMN

Entrez GeneID [5641](#)

Gene Name LGMN

Gene Alias AEP, LGMN1, PRSC1

Gene Description legumain

Omim ID [602620](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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. [provided by RefSeq]

**Other Designations** asparaginyl endopeptidase|cysteine protease 1|protease, cysteine, 1 (legumain)

## Pathway

- [Antigen processing and presentation](#)
- [Lysosome](#)