

# Rabbit anti-Human, Mouse LMAN1 Polyclonal Antibody | anti-LMAN1 antibody

LMAN1 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA234412 | Rabbit | Human, Mouse | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

## PRODUCT SYNONYMS

LMAN1; Polyclonal Antibody; LMAN1 Antibody; Protein ERGIC-53; ER-Golgi intermediate compartment 53 kDa protein; Gp58; Intracellular mannose-specific lectin MR60; Lectin mannose-binding 1; ERGIC53; F5F8D; anti-LMAN1 antibody

## PRODUCT SPECIFICATIONS

|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                           |
| Reactivity                                      | Human, Mouse                                                                     |
| Clonality                                       | Polyclonal                                                                       |
| Isotype                                         | IgG                                                                              |
| Purity/Purification                             | >95%, Protein G purified                                                         |
| Form/Format                                     | Liquid                                                                           |
| Sequence Length                                 | 510                                                                              |
| Applicable Applications for anti-LMAN1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA    |
| Immunogen                                       | Recombinant Human Protein ERGIC-53 protein (154-329AA)                           |
| Conjugation                                     | Non-conjugated                                                                   |
| Storage Buffer                                  | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Species                                         | Homo sapiens (Human)                                                             |
| Research Area                                   | Signal Transduction                                                              |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

## IMAGES



### IHC (Immunohistochemistry)

Immunofluorescence staining of A549 cells with AAA234412 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



### IHC (Immunohistochemistry)

IHC image of AAA234412 diluted at 1:300 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### WB (Western Blot)

Western BlotPositive WB detected in: HepG2 whole cell lysate, Mouse heart tissueAll lanes:  
LMAN1 antibody at 5.3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000  
dilutionPredicted band size: 58 KDaObserved band size: 58 KDa

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LMAN1 antibody | Mannose-specific lectin. May recognize sugar residues of glycoproteins, glycolipids, or glycosylphosphatidyl inositol anchors and may be involved in the sorting or recycling of proteins, lipids, or both. The LMAN1-MCFD2 complex forms a specific cargo receptor for the ER-to-Golgi transport of selected proteins. |
| Product Categories/Family for anti-LMAN1 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                     |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 5031873                                                                                        |
| NCBI GeneID                      | 3998                                                                                           |
| NCBI Accession #                 | NP_005561.1                                                                                    |
| NCBI GenBank Nucleotide #        | NM_005570.3                                                                                    |
| UniProt Accession #              | P49257; Q12895; Q8N5I7; Q9UQG1; Q9UQG2; Q9UQG3; Q9UQG4; Q9UQG5; Q9UQG6; Q9UQG7; Q9UQG8; Q9UQG9 |
| Molecular Weight                 | 57,549 Da                                                                                      |
| NCBI Official Full Name          | protein ERGIC-53                                                                               |
| NCBI Official Synonym Full Names | lectin, mannose binding 1                                                                      |
| NCBI Official Symbol             | LMAN1                                                                                          |
| NCBI Official Synonym Symbols    | MR60; gp58; F5F8D; FMFD1; MCFD1; ERGIC53; ERGIC-53                                             |
| NCBI Protein Information         | protein ERGIC-53                                                                               |
| UniProt Protein Name             | Protein ERGIC-53                                                                               |
| UniProt Gene Name                | <b>LMAN1</b>                                                                                   |
| UniProt Synonym Gene Names       | ERGIC53; F5F8D                                                                                 |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lman1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234412>