

ARG40404 anti-LMAN1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LMAN1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LMAN1
Species	Human
Immunogen	Synthetic peptide derived from Human LMAN1.
Conjugation	Un-conjugated
Alternate Names	F5F8D; ERGIC-53; ER-Golgi intermediate compartment 53 kDa protein; FMFD1; Protein ERGIC-53; MR60; gp58; ERGIC53; Lectin mannose-binding 1; Intracellular mannose-specific lectin MR60; MCFD1; Gp58

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	~ 58 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

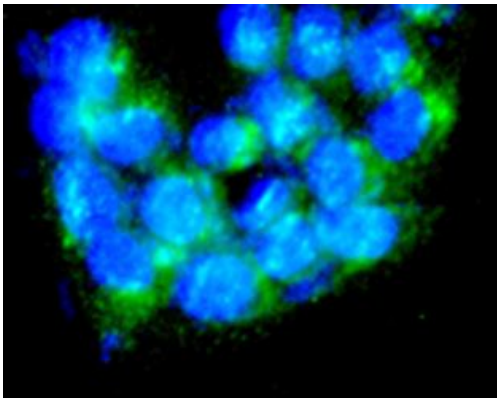
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LMAN1
Gene Full Name	lectin, mannose-binding, 1
Background	The protein encoded by this gene is a membrane mannose-specific lectin that cycles between the endoplasmic reticulum, endoplasmic reticulum-Golgi intermediate compartment, and cis-Golgi, functioning as a cargo receptor for glycoprotein transport. The protein has an N-terminal signal sequence, a calcium-dependent and pH-sensitive carbohydrate recognition domain, a stalk region that functions in oligomerization, a transmembrane domain, and a short cytoplasmic domain required for organelle targeting. Allelic variants of this gene are associated with the autosomal recessive disorder combined factor V-factor VIII deficiency. [provided by RefSeq, Jul 2015]
Function	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. [UniProt]
Calculated Mw	58 kDa
PTM	The N-terminal may be partly blocked. [UniProt]
Cellular Localization	Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG40404 anti-LMAN1 antibody ICC/IF image

Immunofluorescence: JAR cells were fixed with 4% Polyoxymethylene and permeabilized with 0.1% Triton X-100. Cells were stained with ARG40404 anti-LMAN1 antibody (green) at 1:100 dilution. Nuclear staining (blue).



ARG40404 anti-LMAN1 antibody WB image

Western blot: HeLa cell lysate stained with ARG40404 anti-LMAN1 antibody.