

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	

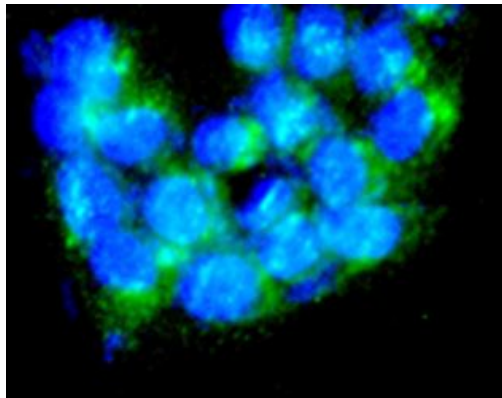
Properties

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.

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.