

LMAN2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16328b

Product Information

Application	WB, E
Primary Accession	Q12907
Other Accession	Q9DBH5 , NP_006807.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35777
Calculated MW	40229
Antigen Region	285-314

Additional Information

Gene ID	10960
Other Names	Vesicular integral-membrane protein VIP36, Glycoprotein GP36b, Lectin mannose-binding 2, Vesicular integral-membrane protein 36, VIP36, LMAN2, C5orf8
Target/Specificity	This LMAN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-314 amino acids from the C-terminal region of human LMAN2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LMAN2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LMAN2
Synonyms	C5orf8

Function	Plays a role as an intracellular lectin in the early secretory pathway. Interacts with N-acetyl-D-galactosamine and high- mannose type glycans and may also bind to O-linked glycans. Involved in the transport and sorting of glycoproteins carrying high mannose-type glycans (By similarity).
Cellular Location	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
Tissue Location	Ubiquitous.

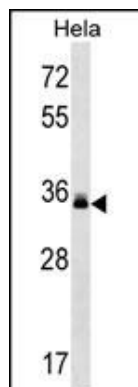
Background

LMAN2 is a type I transmembrane lectin that shuttles between the endoplasmic reticulum, the Golgi apparatus and the plasma membrane. The encoded protein binds high mannose type glycoproteins and may facilitate their sorting, trafficking and quality control.

References

Reiterer, V., et al. Traffic 11(8):1044-1055(2010)
Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)
Nawa, D., et al. Glycobiology 17(9):913-921(2007)
Kawasaki, N., et al. J. Biochem. 141(2):221-229(2007)
Kamiya, Y., et al. J. Biol. Chem. 280(44):37178-37182(2005)

Images



LMAN2 Antibody (C-term) (Cat. #AP16328b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the LMAN2 antibody detected the LMAN2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.