abcam

Product datasheet

Rat LMAN1 peptide ab39824

Description

Product name	Rat LMAN1 peptide
Purity	> 70 % HPLC.
Animal free	No
Nature	Synthetic
Species	Rat
Sequence	FDSFDNDGKKNNPAI
Amino acids	159 to 173

Specifications

Our **Abpromise guarantee** covers the use of **ab39824** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Blocking - Blocking peptide for Anti-LMAN1 antibody (**ab32583**) Neutralising
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Reconstitution	Reconstitute with 0.1 ml of distilled water

General Info

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.
Tissue specificity	Ubiquitous.
Involvement in disease	Defects in LMAN1 are THE cause of factor V and factor VIII combined deficiency type 1 (F5F8D1) [MIM:227300]; also known as multiple coagulation factor deficiency I (MCFD1).

	F5F8D1 is an autosomal recessive blood coagulation disorder characterized by bleeding symptoms similar to those in hemophilia or parahemophilia, that are caused by single deficiency of FV or FVIII, respectively. The most common symptoms are epistaxis, menorrhagia, and excessive bleeding during or after trauma. Plasma levels of coagulation factors V and VIII are in the range of 5 to 30% of normal.
Sequence similarities	Contains 1 L-type lectin-like domain.
Post-translational modifications	The N-terminal may be partly blocked.
Cellular localization	Endoplasmic reticulum-Golgi intermediate compartment membrane. Golgi apparatus membrane. Endoplasmic reticulum membrane.

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