13974 Store at -200

## LMAN1 (E2B6H) Rabbit mAb



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Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 53	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P49257	Entrez-Gene Id: 3998	
Product Usage Information	•	plication estern Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at $-20^{\circ}$ C. Do not aliquot the antibody.					
Specificity / Sensiti	vity LMA	LMAN1 (E2B6H) Rabbit mAb recognizes endogenous levels of total LMAN1 protein.					
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu366 of human LMAN1 protein.					
Background	inter betv ER t dom carg carg prot Muta auto in <i>LI</i>	rmediate compartm veen the LMAN1 pr to the Golgi body (2 nain (CRD) that bind go transport, a singl go receptor respons eins include coagul ations in the corres psomal recessive di	ent between the otein and MCFD2, 3). The LMAN1 ds target glycoproe transmembrane ible for transport ation factors V arponding LMAN1 sorder characteri	elC-53) is a type I transmendoplasmic reticulum a 2 forms an ERGIC cargo protein contains an aminoteins, a membrane proxes segment, and short cylof glycoproteins from the VIII, cathepsin C, cather can result in combined by spontaneous bles a colorectal tumors with	and the Golgi body (Eforeceptor that delivers no-terminal carbohydr kimal oligomerization of toplasmic tail (3-5). LN e ER to ERGIC and G nepsin Z, and α1-antit ined factors FV and F eding (9). Inactivating	RGIC) (1). Interaction sproteins from the ate recognition domain required for MAN1 functions as a solgi body. Target rypsin (6-8).  VIII deficiency, an frameshift mutations	
Background Refere	2. A 3. ZI 4. La 5. V 6. K 7. N 8. A 9. N	ppenzeller, C. et al. heng, C. et al. (201 ahtinen, U. et al. (19 elloso, L.M. et al. (20 horiaty, R. et al. (200 yfeler, B. et al. (200 ppenzeller-Herzog, ichols, W.C. et al. (200	enweider, F. et al. (1998) <i>J Cell Biol</i> 142, 377-89.  venzeller, C. et al. (1999) <i>Nat Cell Biol</i> 1, 330-4.  ng, C. et al. (2010) <i>Blood</i> 116, 5698-706.  tinen, U. et al. (1999) <i>Eur J Biochem</i> 260, 392-7.  oso, L.M. et al. (2002) <i>J Biol Chem</i> 277, 15979-84.  vriaty, R. et al. (2012) <i>Blood</i> 120, 31-8.  eler, B. et al. (2008) <i>J Cell Biol</i> 180, 705-12.  venzeller-Herzog, C. et al. (2005) <i>Mol Biol Cell</i> 16, 1258-67.  nols, W.C. et al. (1998) <i>Cell</i> 93, 61-70.  veckel, N. et al. (2009) <i>Cancer Res</i> 69, 292-9.				

**Species Reactivity** 

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key** 

**WB:** Western Blotting

**Cross-Reactivity Key** 

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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**Limited Uses** 

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