

LMBRD1 Rabbit pAb

CatalogNo: YN7764

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 59kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human LMBRD1

Specificity

This antibody detects endogenous levels of LMBRD1 at Human, Mouse, Rat

| Target Information

Gene name

LMBRD1 C6orf209 NESI BM-021 CD001 MSTP044

Protein Name	Probable lysosomal cobalamin transporter (HDAg-L-interacting protein NESI) (LMBR1 domain-containing protein 1) (Nuclear export signal-interacting protein)		
	Organism	Gene ID	UniProt ID
	Human	55788;	Q9NUN5;
	Mouse	68421;	Q8K0B2;
	Rat	246046;	Q6AZ61;
Cellular Localization	Endoplasmic reticulum membrane . Lysosome membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, clathrin-coated vesicle .		
Tissue specificity	Isoform 3 is expressed in liver.		
Function	Lysosomal membrane chaperone required to export cobalamin (vitamin B12) from the lysosome to the cytosol, allowing its conversion to cofactors . Targets ABCD4 transporter from the endoplasmic reticulum to the lysosome . Then forms a complex with lysosomal ABCD4 and cytoplasmic MMACHC to transport cobalamin across the lysosomal membrane . Acts as an adapter protein which plays an important role in mediating and regulating the internalization of the insulin receptor (INSR) (By similarity). Involved in clathrin-mediated endocytosis of INSR via its interaction with adapter protein complex 2 (By similarity). Essential for the initiation of gastrulation and early formation of mesoderm structures during embryogenesis (By similarity). ; [Isoform 3]: (Microbial infection) May play a role in the assembly of hepatitis delta virus (HDV).		

| Validation Data

| Contact information

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