

LMBRD1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS14006**Specification****LMBRD1 Antibody (C-Terminus) - Product Information**

Application	IF, WB
Primary Accession	O9NUN5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61kDa KDa

LMBRD1 Antibody (C-Terminus) - Additional Information**Gene ID** 55788**Other Names**

Probable lysosomal cobalamin transporter, HDAG-L-interacting protein NESI, LMBR1 domain-containing protein 1, Nuclear export signal-interacting protein, LMBRD1, C6orf209, NESI

Target/Specificity

Human LMBRD1

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

LMBRD1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

LMBRD1 Antibody (C-Terminus) - Protein Information**Name** LMBRD1 ([HGNC:23038](#))**Synonyms** C6orf209, NESI**Function**

Lysosomal membrane chaperone required to export cobalamin (vitamin B12) from the lysosome to the cytosol, allowing its conversion to cofactors (PubMed:19136951). Targets ABCD4 transporter from the endoplasmic reticulum to the lysosome (PubMed:27456980). Then forms a complex with lysosomal ABCD4 and cytoplasmic MMACHC to transport cobalamin across the lysosomal membrane (PubMed:25535791). 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).

Cellular Location

Endoplasmic reticulum membrane. Lysosome membrane; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q8K0B2}; Multi-pass membrane protein. Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250|UniProtKB:Q8K0B2}

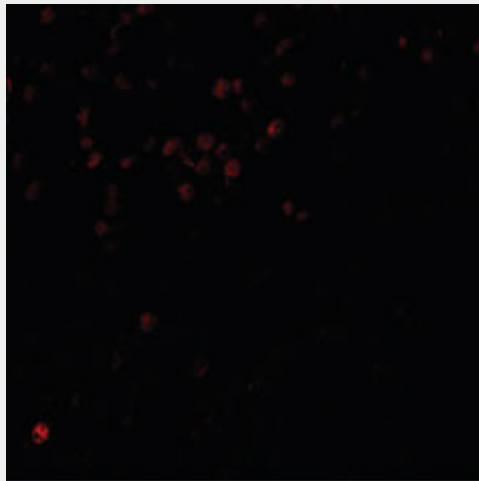
Tissue Location

Isoform 3 is expressed in liver.

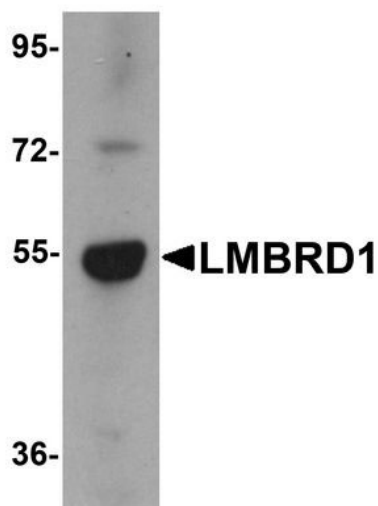
LMBRD1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LMBRD1 Antibody (C-Terminus) - Images

Immunofluorescence of LMBRD1 in human brain tissue with LMBRD1 antibody at 20 ug/ml.



Western blot analysis of LMBRD1 in human brain tissue lysate with LMBRD1 antibody at 1 ug/ml.

LMBRD1 Antibody (C-Terminus) - Background

Probable lysosomal cobalamin transporter. Required to export cobalamin from lysosomes allowing its conversion to cofactors. Isoform 3 may play a role in the assembly of hepatitis delta virus (HDV).

LMBRD1 Antibody (C-Terminus) - References

- Wang Y.-H.,et al.J. Virol. 79:8113-8120(2005).
- Liu B.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
- Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Mungall A.J.,et al.Nature 425:805-811(2003).