

ABCD4 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS13358**Specification**

ABCD4 Antibody (Internal) - Product Information

Application	WB
Primary Accession	O14678
Reactivity	Human, Mouse, Rat, Rabbit, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	69kDa KDa

ABCD4 Antibody (Internal) - Additional Information**Gene ID** 5826**Other Names**

ATP-binding cassette sub-family D member 4, PMP70-related protein, P70R, Peroxisomal membrane protein 1-like, PXMP1-L, Peroxisomal membrane protein 69, PMP69, ABCD4, PXMP1L

Target/Specificity

Human ABCD4. Reported variants represent identical protein: NP_064719.1 NP_064731.1 NP_064720.1 NP_064730.1

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

ABCD4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCD4 Antibody (Internal) - Protein Information**Name** ABCD4 ([HGNC:68](#))**Synonyms** PXMP1L**Function**Lysosomal membrane protein that transports cobalamin (Vitamin B12) from the lysosomal lumen to the cytosol in an ATP-dependent manner (PubMed: [22922874](http://www.uniprot.org/citations/22922874), PubMed: [28572511](http://www.uniprot.org/citations/28572511), PubMed: [31467407](http://www.uniprot.org/citations/31467407), PubMed: [33845046](http://www.uniprot.org/citations/33845046)). Targeted by LMBRD1 lysosomal chaperone from the endoplasmic reticulum to the lysosomal membrane (PubMed: [27456980](http://www.uniprot.org/citations/27456980)). Then forms a complex with lysosomal chaperone LMBRD1 and cytosolic MMACHC to transport

cobalamin across the lysosomal membrane (PubMed:25535791).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Note=Targeted by LMBRD1 lysosomal chaperone to the lysosomal membrane.

Tissue Location

Ubiquitous.

ABCD4 Antibody (Internal) - 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](#)

ABCD4 Antibody (Internal) - Images



Antibody (0.3 ug/ml) staining of Jurkat lysate (35 ug protein in RIPA buffer).

ABCD4 Antibody (Internal) - Background

May be involved in intracellular processing of vitamin B12 (cobalamin). Could play a role in the lysosomal release of vitamin B12 into the cytoplasm.

ABCD4 Antibody (Internal) - References

- Holzinger A.,et al.Biochem. Biophys. Res. Commun. 237:152-157(1997).
Holzinger A.,et al.FEBS Lett. 426:238-242(1998).
Shani N.,et al.Hum. Mol. Genet. 6:1925-1931(1997).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).