

ABCD4 Antibody (aa98-147)
Rabbit Polyclonal Antibody
Catalog # ALS16994**Specification**

ABCD4 Antibody (aa98-147) - Product Information

Application	IHC, WB
Primary Accession	O14678
Other Accession	5826
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	68597

ABCD4 Antibody (aa98-147) - Additional Information**Gene ID** 5826**Other Names**

ABCD4, ABC41, EST352188, p70R, PMP70-related protein, MAHCJ, p79R, PMP69, PXMP1-L, PXMP1L

Target/Specificity

ABCD4 Antibody antibody detects endogenous levels of ABCD4.

Reconstitution & Storage

PBS, pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C.

Precautions

ABCD4 Antibody (aa98-147) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCD4 Antibody (aa98-147) - 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: [33845046](http://www.uniprot.org/citations/33845046), PubMed: [28572511](http://www.uniprot.org/citations/28572511), PubMed: [31467407](http://www.uniprot.org/citations/31467407)). 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.

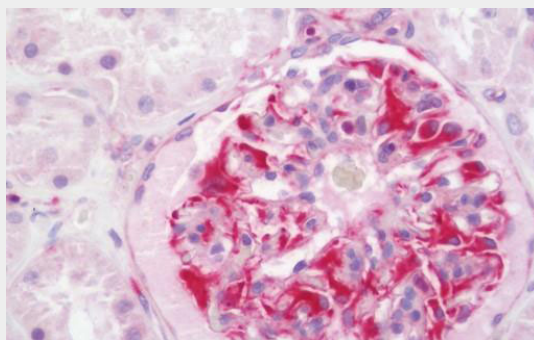
Volume

50 µl

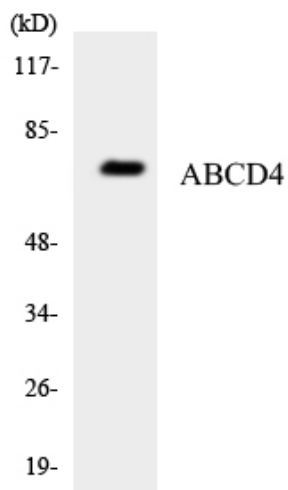
ABCD4 Antibody (aa98-147) - Protocols

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 (aa98-147) - Images

Anti-ABCD4 antibody IHC staining of human kidney.



Western blot of the lysates from HeLa cells using ABCD4 antibody.

ABCD4 Antibody (aa98-147) - 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 (aa98-147) - 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).