

ABCD4 Polyclonal Antibody
Catalog # AP68233**Specification****ABCD4 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O14678
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

ABCD4 Polyclonal Antibody - Additional Information

Gene ID 5826

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ABCD4 Polyclonal Antibody - Protein InformationName 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](http://www.uniprot.org/citations/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.

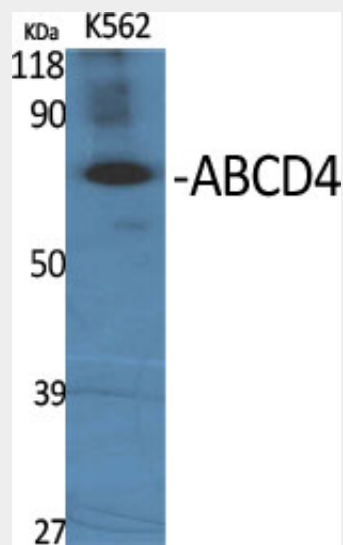
Tissue Location

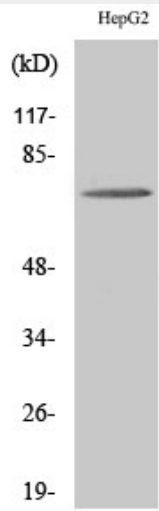
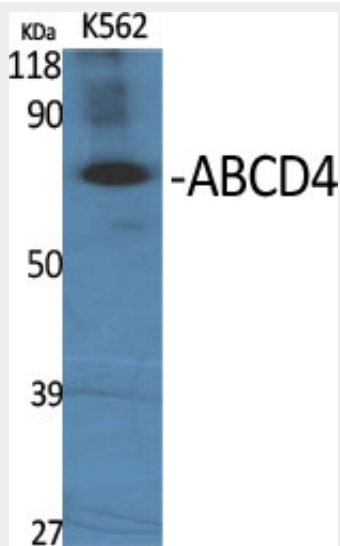
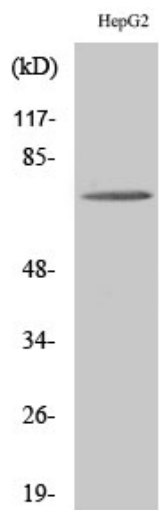
Ubiquitous.

ABCD4 Polyclonal Antibody - 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 Polyclonal Antibody - Images



ABCD4 Polyclonal Antibody - 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.