

PMP70 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16401**Specification**

PMP70 Antibody - Product Information

Application	IHC, WB
Primary Accession	P28288
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75kDa KDa

PMP70 Antibody - Additional Information**Gene ID** 5825**Other Names**

ATP-binding cassette sub-family D member 3, 70 kDa peroxisomal membrane protein, PMP70, ABCD3, PMP70, PXMP1

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

PMP70 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PMP70 Antibody - Protein Information**Name** ABCD3 ([HGNC:67](#))**Function**

Broad substrate specificity ATP-dependent transporter of the ATP-binding cassette (ABC) family that catalyzes the transport of long- chain fatty acids (LCFA)-CoA, dicarboxylic acids-CoA, long-branched- chain fatty acids-CoA and bile acids from the cytosol to the peroxisome lumen for beta-oxydation (PubMed: [11248239](http://www.uniprot.org/citations/11248239), PubMed: [25168382](http://www.uniprot.org/citations/25168382), PubMed: [24333844](http://www.uniprot.org/citations/24333844), PubMed: [29397936](http://www.uniprot.org/citations/29397936)). Has fatty acyl-CoA thioesterase and ATPase activities (PubMed: [29397936](http://www.uniprot.org/citations/29397936)). Probably hydrolyzes fatty acyl- CoAs into free fatty acids prior to their ATP-dependent transport into peroxisomes (By similarity). Thus, play a role in regulation of LCFAs and energy metabolism namely, in the degradation and biosynthesis of fatty acids by beta-oxidation (PubMed: [25944712](http://www.uniprot.org/citations/25944712), PubMed: [24333844](http://www.uniprot.org/citations/24333844)).

Cellular Location

Peroxisome membrane; Multi-pass membrane protein

Volume

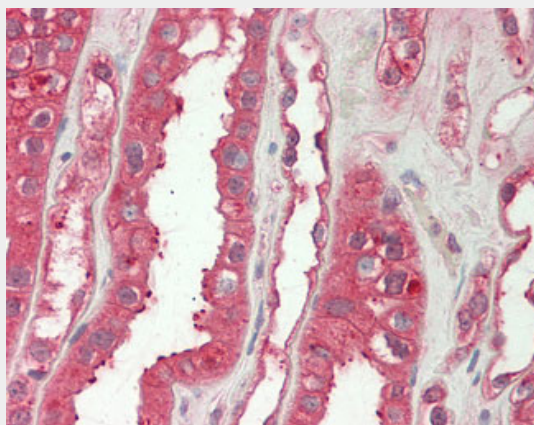
50 μ l

PMP70 Antibody - Protocols

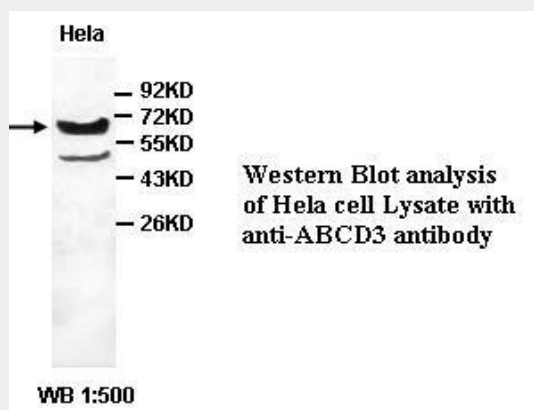
Provided below are standard protocols that you may find useful for product applications.

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

PMP70 Antibody - Images



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



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PMP70 Antibody - Background

Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity.

PMP70 Antibody - References

Gaertner J.,et al.Nat. Genet. 1:16-23(1992).
Kamijo K.,et al.Biochim. Biophys. Acta 1129:323-327(1992).
Gaertner J.,et al.Genomics 48:203-208(1998).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).