

PMP70 Antibody
Rabbit mAb
Catalog # AP91927**Specification****PMP70 Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P28288
Reactivity	Rat
Clonality	Monoclonal
Other Names	
ABCD3; ABC43; PMP70; PXMP1; ZWS2;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	75476 Da

PMP70 Antibody - Additional Information

Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PMP70
Description	Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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: [24333844](http://www.uniprot.org/citations/24333844), PubMed: [25168382](http://www.uniprot.org/citations/25168382), 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:24333844, PubMed:25944712).

Cellular Location

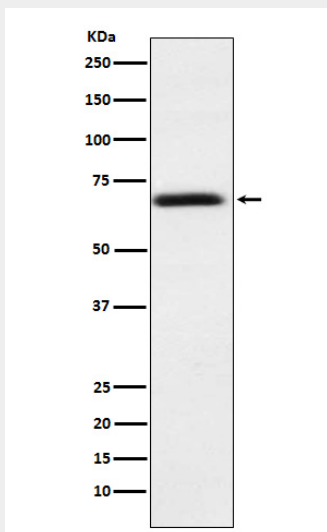
Peroxisome membrane; Multi-pass membrane protein

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



Western blot analysis of PMP70 expression in HepG2 cell lysate.