

**Product Name: PMP70 (6N3) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe16310**

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## Summary

<b>Production Name</b>	PMP70 (6N3) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF, FC
<b>Reactivity</b>	Human, Mouse, Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ABCD3
<b>Alternative Names</b>	ABCD3; ABC43; PMP70; PXMP1; ZWS2;
<b>Gene ID</b>	5825.0
<b>SwissProt ID</b>	P28288. A synthetic peptide of human PMP70

## Application

<b>Dilution Ratio</b>	WB 1:1000-1:5000, ICC/IF 1:100-1:200, FCM 1:100-1:500
<b>Molecular Weight</b>	76kDa

## Background

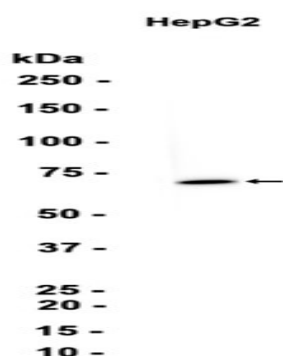
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Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity. Broad substrate specificity ATP-dependent transporter of the ATP-binding cassette (ABC) family that catalyzes the transport of long- chain fatty 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:<a href="http://www.uniprot.org/citations/11248239" target="\_blank">11248239</a>, PubMed:<a href="http://www.uniprot.org/citations/25168382" target="\_blank">25168382</a>, PubMed:<a href="http://www.uniprot.org/citations/24333844" target="\_blank">24333844</a>, PubMed:<a href="http://www.uniprot.org/citations/29397936" target="\_blank">29397936</a>). Has fatty acyl-CoA thioesterase and ATPase activities (PubMed:<a href="http://www.uniprot.org/citations/29397936" target="\_blank">29397936</a>). 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:<a href="http://www.uniprot.org/citations/25944712" target="\_blank">25944712</a>, PubMed:<a href="http://www.uniprot.org/citations/24333844" target="\_blank">24333844</a>).

## Research Area

## Image Data



Western blot analysis of extracts from HepG2 cells using RM5897 at 1:1000.

## Note

For research use only.