Product Name: PMP70 (6N3) Rabbit Monoclonal Antibody
Catalog #: AMRe16310
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1000-1:5000,ICC/IF 1:100-1:200,FC 1:100-1:500
Molecular Weight	76kDa

Antigen Information

Gene Name	ABCD3
Alternative Names	ABCD3; ABC43; PMP70; PXMP1; ZWS2;
Gene ID	5825.0
SwissProt ID	P28288
Immunogen	A synthetic peptide of human PMP70

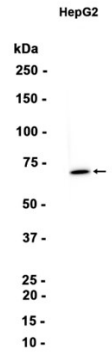
Background

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:11248239, PubMed:25168382, PubMed:24333844, PubMed:29397936). Has fatty acyl-CoA thioesterase and ATPase activities (PubMed: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, PubMed:24333844).

Research Area

Image Data



Western blot analysis of extracts from HepG2 cells using PMP70 (6N3) Rabbit Monoclonal Antibody at 1:1000.