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Anti-PMP70 ABCD3 Monoclonal Antibody

Catalog # ABO14702

Product Information

Application	WB, IF, ICC, FC
Primary Accession	P28288
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-PMP70 ABCD3 Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	5825
Other Names	ATP-binding cassette sub-family D member 3, 3.1.2.-, 7.6.2.-, 70 kDa peroxisomal membrane protein, PMP70, ABCD3 (HGNC:67)
Calculated MW	75476
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:100
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AFAF-1
Immunogen	A synthesized peptide derived from human PMP70
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

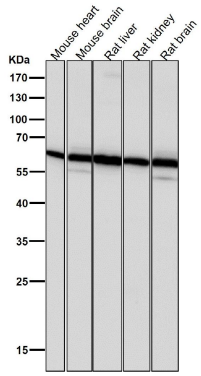
Protein Information

Name	ABCD3 {ECO:0000303|PubMed:39223112, ECO:0000312|HGNC:HGNC:67}
Function	ATP-dependent transporter of the ATP-binding cassette (ABC) family that catalyzes the transport of long- and very-long-chain fatty acyl-CoAs and probably bile acyl-CoAs from the cytosol to the peroxisome matrix for

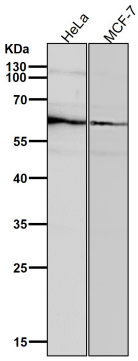
beta-oxydation. Appears to be specifically involved in the peroxisomal transport of branched-chain fatty acyl-CoAs (BCFA-CoAs) and dicarboxylic acyl CoAs (DCA-CoAs) (PubMed:11248239, PubMed:23671276, PubMed:24333844, PubMed:25168382, PubMed:29397936, PubMed:39223112, PubMed:41428872). Has fatty acyl-CoA thioesterase and ATPase activities. Probably hydrolyzes fatty acyl-CoAs into free fatty acids prior to their ATP-dependent transport into peroxisomes.

Cellular Location Peroxisome membrane; Multi-pass membrane protein

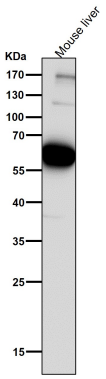
Images



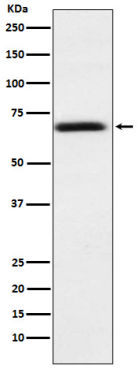
All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



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Western blot analysis of PMP70 expression in HepG2 cell lysate.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.