

Anti-PMP70 ABCD3 Monoclonal Antibody
Catalog # ABO14702**Specification**

Anti-PMP70 ABCD3 Monoclonal Antibody - 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.

Anti-PMP70 ABCD3 Monoclonal Antibody - 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=67)
HGNC:67

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:100

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.

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.

Anti-PMP70 ABCD3 Monoclonal 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, PubMed:24333844, PubMed:25168382, 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:24333844, PubMed:25944712).

Cellular Location

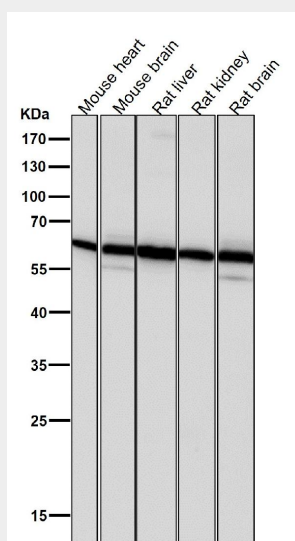
Peroxisome membrane; Multi-pass membrane protein

Anti-PMP70 ABCD3 Monoclonal Antibody - Protocols

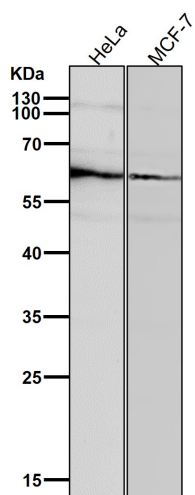
Provided below are standard protocols that you may find useful for product applications.

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

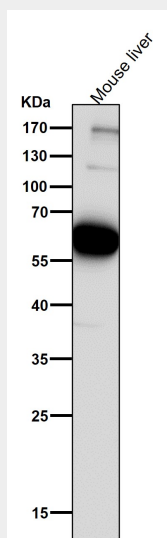
Anti-PMP70 ABCD3 Monoclonal Antibody - Images



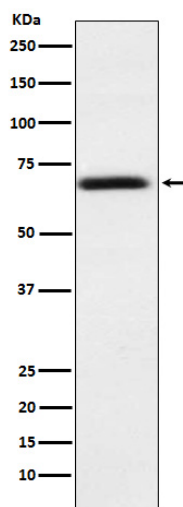
All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



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Western blot analysis of PMP70 expression in HepG2 cell lysate.