

Product name:	PMP70 (6N3) Rabbit Monoclonal Antibody
Cat number:	MABN16310
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human PMP70
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:1000-1:5000, ICC/IF 1:100-1:200, FC 1:100-1:500
Molecular Weight:	76kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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-oxidation (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).