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Product datasheet for TA310768

PMP70 (ABCD3) Rabbit Monoclonal Antibody [Clone ID: EPR5614]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EPR5614
Applications:	FC, WB
Recommended Dilution:	WB: 1:1000 - 1:10000; ICC: 1:100 - 1:250; FC: 1:100 - 1:500
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues on the C-terminus in human PMP70 was used as an immunogen.
Formulation:	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	75 kDa
Gene Name:	ATP binding cassette subfamily D member 3
Database Link:	NP_001116146 Entrez Gene 19299 MouseEntrez Gene 25270 RatEntrez Gene 5825 Human P28288

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Background: PMP70 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. They are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). PMP70 is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters, which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis. Mutations in PMP70 have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders (1).

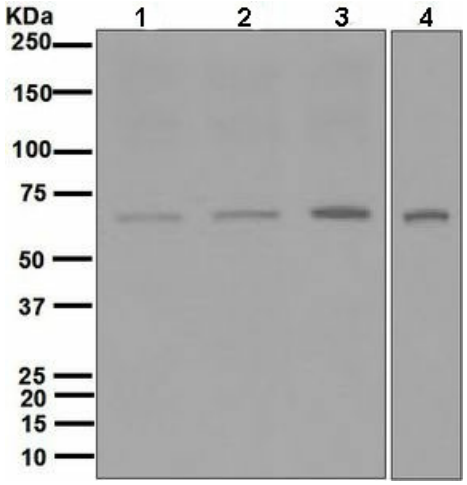
Synonyms: ABC43; CBAS5; PMP70; PXMP1; ZWS2

Note: Is unsuitable for IHC-P or IP.

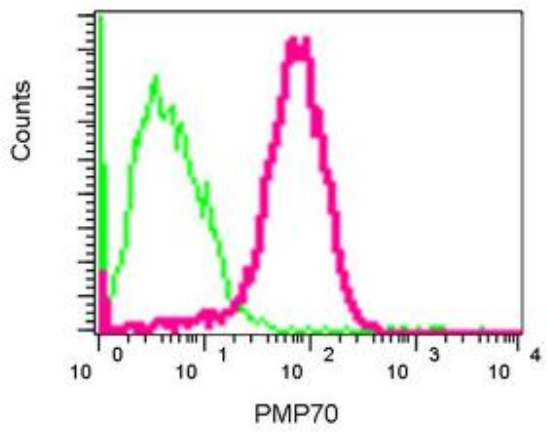
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

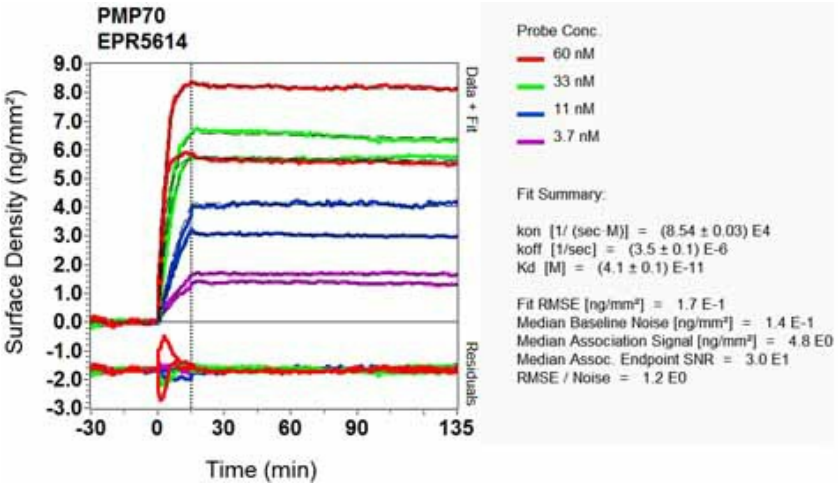
Product images:



Western blot - PMP70 antibody [EPR5614]; All lanes : Anti-PMP70 antibody [EPR5614] at 1/1000 dilution.Lane 1 : 293T cell lysate.Lane 2 : SH SY5Y cell lysate.Lane 3 : Caco2 cell lysate.Lane 4 : HepG2 cell lysate.Lysates/proteins at 10 ug per lane.Predicted band size : 75 kDa.Observed band size : 70 kDa.



Flow Cytometry - PMP70 antibody [EPR5614]; TA310768 at 1/100 dilution staining PMP70 in permeabilized HepG2 cells by Flow cytometry (shown in red). Rabbit IgG negative control (shown in green).



Other-Anti-PMP70 antibody [EPR5614] (TA310768); Equilibrium disassociation constant (KD).