

Rabbit PMP70/ABCD3 Polyclonal Antibody | anti-PMP70/ABCD3 antibody

PMP70/ABCD3 Rabbit pAb

CATALOG # AAA281903	HOST Rabbit	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PMP70/ABCD3; Polyclonal Antibody; PMP70/ABCD3 Rabbit pAb; ABC43; CBAS5; PMP70; PXMP1; ZWS2; ABCD3; anti-PMP70/ABCD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-PMP70/ABCD3 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 340-475 of human PMP70/ABCD3 (NP_002849.1).
Positive Samples	HeLa, HepG2, Mouse liver, Mouse kidney, Rat liver
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



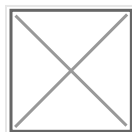
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using PMP70/PMP70/ABCD3 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



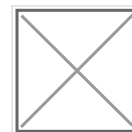
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using PMP70/PMP70/ABCD3 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using PMP70/PMP70/ABCD3 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse testis using PMP70/ABCD3 Rabbit pAb at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat kidney using PMP70/ABCD3 Rabbit pAb at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using PMP70/ABCD3 Rabbit pAb (AAA281903) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-PMP70/ABCD3 antibody	Background: The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein 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 have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-PMP70/ABCD3 antibody	Neuroscience; Neurodegenerative Diseases; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease

NCBI AND UNIPROT INFORMATION

NCBI GI #	130358
NCBI GeneID	5825
UniProt Accession #	P28288; Q15271; Q6NUN5; Q96DA3; Q9H529; D3DT46
Molecular Weight	Observed: 70 kDa Calculated: 75 kDa
NCBI Official Full Name	ATP-binding cassette sub-family D member 3
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family D (ALD), member 3
NCBI Official Symbol	ABCD3
NCBI Official Synonym Symbols	ZWS2; ABC43; PMP70; PXMP1
NCBI Protein Information	ATP-binding cassette sub-family D member 3; 70 kDa peroxisomal membrane protein; Peroxisomal membrane protein-1 (70kD); peroxisomal membrane protein 1 (70kD, Zellweger syndrome); dJ824O18.1 (ATP-binding cassette, sub-family D (ALD), member 3 (PMP70, PXMP1
UniProt Protein Name	ATP-binding cassette sub-family D member 3
UniProt Gene Name	ABCD3
UniProt Synonym Gene Names	PMP70; PXMP1; PMP70
UniProt Entry Name	ABCD3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pmp70-abcd3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281903>