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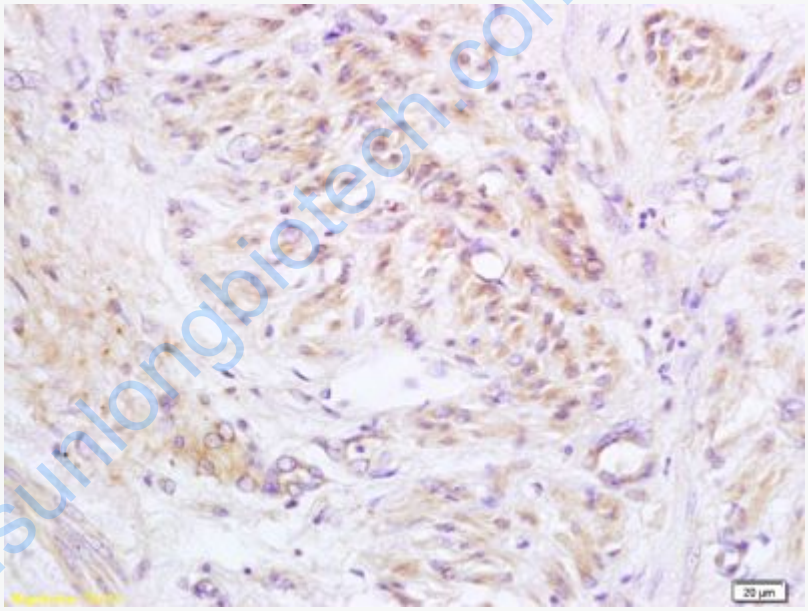
Rabbit Anti-PXMP1/PMP70 antibody

SL8584R

Product Name:	PXMP1/PMP70
Chinese Name:	过氧化物酶膜蛋白1抗体
Alias:	70 kDa peroxisomal membrane protein; ABC 43; ABC D3; ABC43; ABCD 3; ABCD3; ABCD3 protein; ABCD3_HUMAN; ATP binding cassette sub family D (ALD) member 3; ATP binding cassette sub family D member 3; ATP-binding cassette sub-family D member 3; Peroxisomal membrane protein 1; PMP 70; PMP70; PXMP 1; PXMP1; ZWS2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	75kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PXMP1/ABCD3:51-160/659
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The peroxisomal membrane contains several ATP-binding cassette (ABC) transporters, ABCD1-4 that are known to be present in the human peroxisome membrane. All four proteins are ABC half-transporters, which dimerize to form an active transporter. A

	mutation in the ABCD1 gene causes X-linked adreno-leukodystrophy (X-ALD), a peroxisomal disorder which affects lipid storage. ABCD2 in mouse is expressed at high levels in the brain and adrenal organs, which are adversely affected in X-ALD. The peroxisomal membrane comprises two quantitatively major proteins, PMP22 and ABCD3. ABCD3 is associated with irregularly shaped vesicles which may be defective peroxisomes or peroxisome precursors. ABCD1 localizes to peroxisomes. ABCB7 is a half-transporter involved in the transport of heme from the mitochondria to the cytosol. **Function:** Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity. **Subunit:** Can form heterodimers with ABCD1/ALD and ABCD2/ALDR. Dimerization is necessary to form an active transporter. Interacts with PEX19. **Subcellular Location:** Peroxisome membrane; Multi-pass membrane protein. **Similarity:** Belongs to the ABC transporter superfamily. ABCD family. Peroxisomal fatty acyl CoA transporter (TC 3.A.1.203) subfamily. Contains 1 ABC transmembrane type-1 domain. Contains 1 ABC transporter domain. **SWISS:** P28288 **Gene ID:** 5825 **Database links:** Entrez Gene: 100765314 Hamster Entrez Gene: 5825 Human Entrez Gene: 19299 Mouse Entrez Gene: 25270 Rat Omim: 170995 Human SwissProt: P28288 Human SwissProt: P55096 Mouse

	SwissProt: P16970 Rat Unigene: 700576 Human Unigene: 399042 Mouse Unigene: 7024 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-PXMP1/ABCD3/PMP70 Polyclonal Antibody, Unconjugated(SL8584R) 1:200, overnight at 4°C, followed by conjugation to the

	secondary antibody(SP-0023) and DAB(C-0010) staining