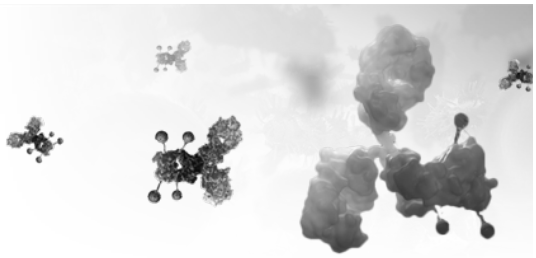

Human ABCD4 blocking peptide (CDBP0271)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ABCD4 antibody
Antigen Description	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. The function of this peroxisomal membrane protein is unknown. However, it is speculated that it may function as a heterodimer for another peroxisomal ABC transporter and, therefore, may modify the adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisome biogenesis. Alternative splicing results in at least two different transcript variants, one which is protein-coding and one which is probably not protein-coding. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

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Gene Name	ABCD4 ATP-binding cassette, sub-family D (ALD), member 4 [Homo sapiens (human)]
Official Symbol	ABCD4
Synonyms	ABCD4; ATP-binding cassette, sub-family D (ALD), member 4; P70R; P79R; ABC41; MAHCJ; PMP69; PXMP1L; EST352188; ATP-binding cassette sub-family D member 4; PXMP1-L; PMP70-related protein; peroxisomal membrane protein 69; 69 kDa peroxisomal ABC-transporter;
Entrez Gene ID	5826
mRNA Refseq	NM_005050.3
Protein Refseq	NP_005041.1
UniProt ID	O14678
Chromosome Location	14q24.3
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	ATP binding; ATPase activity, coupled to transmembrane movement of substances;

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