

Product datasheet for **TA332077**

ABCD4 Rabbit Polyclonal Antibody

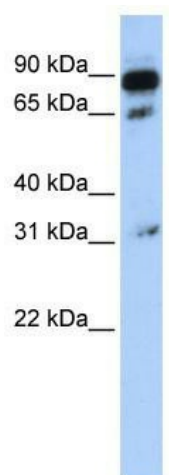
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-ABCD4 Antibody: synthetic peptide directed towards the N terminal of human ABCD4. Synthetic peptide located within the following region: YVSWRKDLTEHLHRLYFRGRAYTTLNVLRDDIDNPDQRISQDVERFCRQL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68 kDa
Gene Name:	ATP binding cassette subfamily D member 4
Database Link:	NP_005041 Entrez Gene 5826 Human O14678



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Background:	<p>ABCD4 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. 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.</p>
Synonyms:	ABC41; EST352188; MAHCJ; P70R; P79R; PMP69; PXMP1L
Note:	Immunogen sequence homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Bovine: 93%
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters

Product images:

WB Suggested Anti-ABCD4 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive
Control: 721_B cell lysate; ABCD4 is strongly
supported by BioGPS gene expression data to be
expressed in Human 721_B cells