

Product datasheet for **TA322673S**

ABCD4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Jurkat cells
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 137-149 amino acids of human ATP-binding cassette, sub-family D (ALD), member 4
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69 kDa
Gene Name:	ATP binding cassette subfamily D member 4
Database Link:	NP_005041 Entrez Gene 19300 Mouse Entrez Gene 5826 Human O14678



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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. 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.

Synonyms:

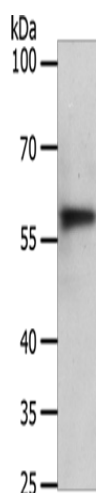
ABC41; EST352188; MAHCJ; P70R; P79R; PMP69; PXMP1L

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

ABC transporters

Product images:

Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Jurkat cells
Primary antibody: [TA322673] (ABCD4 Antibody) at dilution 1/300
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 40 seconds