

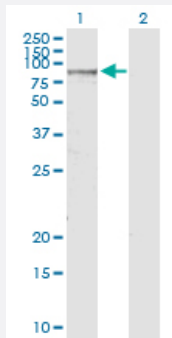
MaxPab®

ABCD1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000215-D01

Size 100 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ABCD1 expression in transfected 293T cell line ([H00000215-T01](#)) by ABCD1 MaxPab polyclonal antibody.

Lane 1: ABCD1 transfected lysate(82.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ABCD1 protein.

Immunogen

ABCD1 (NP_000024.2, 1 a.a. ~ 745 a.a) full-length human protein.

Sequence

MPVLSRPRPWGNTLKR TAVLLALAA YGAHKVYPLVRQCLAPARGLQAPAGEPTQEASGVAAA
KAGMNRVFLQRLWLLRLLFPRVLCRETGLLALHSAALVSRTFLSVYVARLDGRLARCVRKDPR
AFGWQLLQWLLIALPATFVNSAIRYLEGQLALSFRSRLVAHAYRLYFSQQTYYRVSNMDGRLRNP
QLSTEDVVAFAASVAHLYSNLTKPLLDVAVTSYLLRAARSRGAGTAWPSAAGLVVFLTANVLR
FSPKFGELVAEEARRKGELRYMHSRVVANSEEIAFYGGHEVELALLQRSYQDLASQINLILLERLW
YMLEQFLMKYVWSASGLLMVAVPIITATGYSESDAEAVKKAALKEKEEELVSETEAFTIARNLL
TAAADAIERIMSSYKEVTELAGYTARVHEMFQVFEDVQRCHFKRPRELEDAQAGSGTIGRSGVRV
EGLKIRGQVVDVEQGIICENIPVTPSGEVVVASLNIRVEEGMHLLITGPNGCGKSSLFRILGGLWP
TYGGVLYKPPQRMFYIPQRPYMSVGLRDQVIYPDSDVMQRKGYSQDLEAILDVVHLHHILQR
EGGWEAMCDWKDVLSGGEKQRIGMARMFYHRPKYALLDECTSAVSIDVEGKIFQAAKDAGIAL
SITHRPSLWKYHTLLQFDGEGGWKFEKLDSAARLSL TEEKQRLEQQLAGIPKMQRRRLQELCQIL
GEAVAPAHVPAPSPQGPGLQGAST

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (92); Rat (91)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ABCD1

Entrez GeneID	215
GeneBank Accession#	NM_000033.2
Protein Accession#	NP_000024.2
Gene Name	ABCD1
Gene Alias	ABC42, ALD, ALDP, AMN
Gene Description	ATP-binding cassette, sub-family D (ALD), member 1
Omim ID	300100 300371
Gene Ontology	Hyperlink

Gene Summary

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 is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system. [provided by RefSeq]

Other Designations

OTTHUMP00000025960|adrenoleukodystrophy protein

Pathway

- [ABC transporters](#)

Disease

- [Adrenoleukodystrophy](#)
- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)