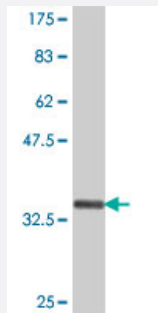


ABCD1 polyclonal antibody (A01)

Catalog # H00000215-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ABCD1.
Immunogen	ABCD1 (AAH15541, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag.
Sequence	MPVLSRPRPWGNTLKRTAVLLALAAAYGAHKVYPLVRQCLAPARGLQAPAGEPTQEASGVAAA KAGMNRVFLQRLLWLLRLLFPRVLCRETGLLALHSAA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (82)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 kDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ABCD1

Entrez GeneID [215](#)

GeneBank Accession# [BC015541](#)

Protein Accession# [AAH15541](#)

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](#)