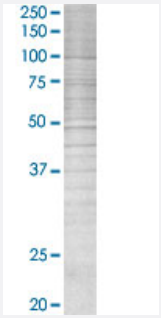
ABCD1 293T Cell Transient Overexpression Lysate(Denatured)

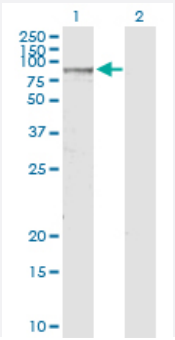
Catalog # H00000215-T01 Size 100 uL

Applications



SDS-PAGE Gel

ABCD1 transfected lysate.



Western Blot

Lane 1: ABCD1 transfected lysate (82.90 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ABCD1 full-length
Host	Human
Theoretical MW (kDa)	82.9
Interspecies Antigen Sequence	Mouse (92); Rat (91)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ABCD1 antibody (H00000215-D01) by Western Blots. SDS-PAGE Gel ABCD1 transfected lysate. Western Blot Lane 1: ABCD1 transfected lysate (82.90 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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 homo dimeric 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