Recombinant Human ABCD2 293 Cell Lysate

Cat. No. ABCD2-9148HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ATP-binding cassette, sub-family D (ALD), member 2 (ABCD2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ABCD2 ATP-binding cassette, sub-family D (ALD), member 2 [Homo sapiens]
Official Symbol	ABCD2
Synonyms	ABCD2; ATP-binding cassette, sub-family D (ALD), member 2; ALDL1; ATP-binding cassette sub-family D member 2; ALDR; ALDRP; adrenoleukodystrophy-like 1; adrenoleukodystrophy-related protein; ABC39; hALDR;
Gene ID	225
mRNA Refseq	NM_005164
Protein Refseq	NP_005155
MIM	601081
UniProt ID	Q9UBJ2
Chromosome Location	12q11-q12
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; ABCA transporters in lipid homeostasis, organism-specific biosystem; Nuclear receptors in lipid metabolism and toxicity, organism-specific biosystem; Peroxisome,

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	organism-specific biosystem; Peroxisome, conserved biosystem;
Function	ATP binding; ATPase activity; nucleotide binding; protein binding;

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