

Product datasheet for **LY300014**

ABCD1 Human Knockdown Lysate

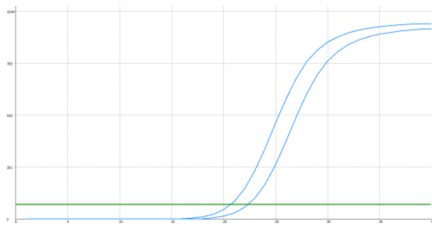
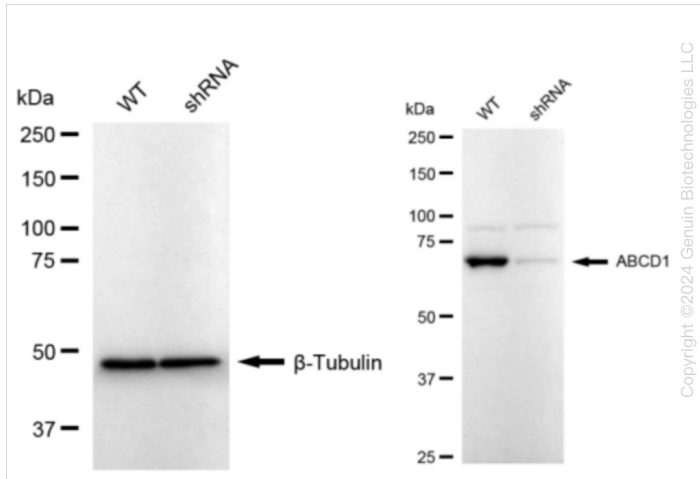
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated ABCD1 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	ABCD1; ATP Binding Cassette Subfamily D Member 1; ALDP; AMN; ALD; ATP-Binding Cassette, Sub-Family D (ALD), Member 1; ATP-Binding Cassette Sub-Family D Member 1; Adrenoleukodystrophy Protein; Adrenoleukodystrophy; ADRENOLEUKODYSTROPHY; EC 3.1.2.-; EC 7.6.2.-; ABC42
Predicted MW:	83 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug ABCD1 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	215
UniProt ID:	<u>P33897</u>
Protein Families:	Druggable Genome
Protein Pathways:	ABC transporters



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Product images:



Genotype	Ct Value
Wild-Type	20.58
Knock-Down	22.22
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.64
% mRNA Reduction	↓ 68%

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RT-qPCR analysis. HeLa cells were infected with ABCD1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.