

# ABCD2 Rabbit pAb

Catalog No.: A16033 **1 Publications**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

83kDa

### Category

Primary antibody

### Applications

WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

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. The function of this peroxisomal membrane protein is unknown; however this protein is speculated to function as a dimerization partner of ABCD1 and/or other peroxisomal ABC transporters. Mutations in this gene have been observed in patients with adrenoleukodystrophy, a severe demyelinating disease. This gene has been identified as a candidate for a modifier gene, accounting for the extreme variation among adrenoleukodystrophy phenotypes. This gene is also a candidate for a complement group of Zellweger syndrome, a genetically heterogeneous disorder of peroxisomal biogenesis.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF/ICC</b>	1:50 - 1:100

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
225	Q9UBJ2

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 420-500 of human ABCD2 (NP\_005155.1).

### Synonyms

ABCD2;ABC39;ALDL1;ALDR;ALDRP;hALDR

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

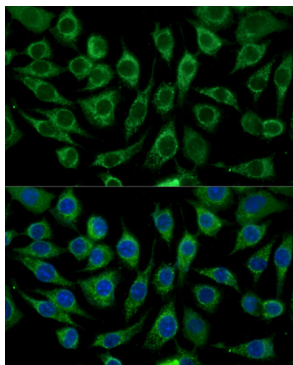
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

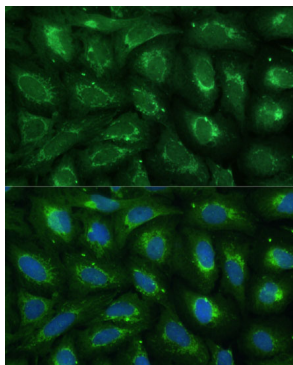
Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

## Validation Data

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Immunofluorescence analysis of L929 cells using ABCD2 Polyclonal Antibody (A16033) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using ABCD2 Polyclonal Antibody (A16033) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.