

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

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID	Swiss Prot
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

Product Information

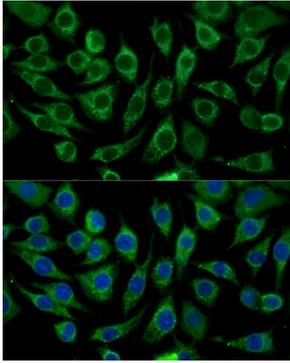
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

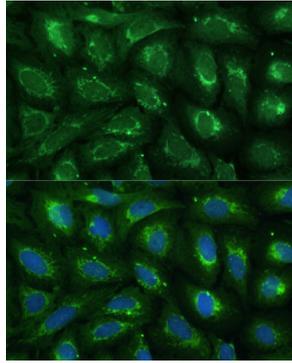
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



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.