

For Research Use Only

# ABCD1 Recombinant antibody, PBS Only

Catalog Number: 83038-4-PBS

Featured Product



## Basic Information

Catalog Number:

83038-4-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0453

GenBank Accession Number:

BC025358

GeneID (NCBI):

215

UNIPROT ID:

P33897

Full Name:

ATP-binding cassette, sub-family D

(ALD), member 1

Calculated MW:

745 aa, 83 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

230226E12

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse

## Background Information

ABCD1 (also known as ALDP) is a member of the ATP-binding cassette (ABC) transporter superfamily which functions as transporter for a wide variety of substrates. It localizes to the peroxisomal membrane. The exact function is not clear so far. Various mutations of ABCD1 cause X-linked adrenoleukodystrophy (X-ALD), an inherited neurodegenerative disease affecting the nervous system white matter and adrenal cortex.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

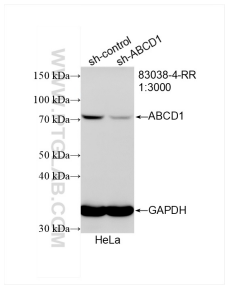
T: 4006900926

E: Proteintech-CN@ptglab.com

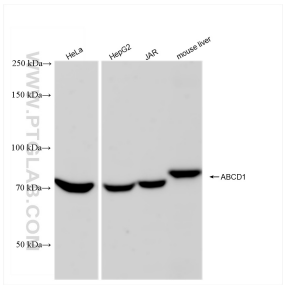
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

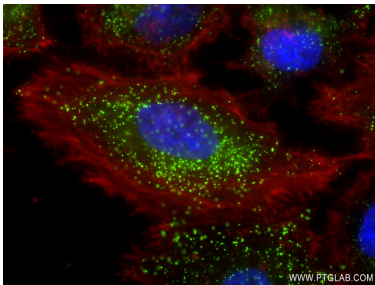
Selected Validation Data



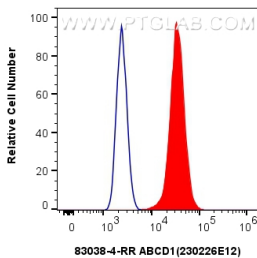
WB result of ABCD1 antibody (83038-4-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ABCD1 transfected HeLa cells. This data was developed using the same antibody clone with 83038-4-PBS in a different storage buffer formulation.



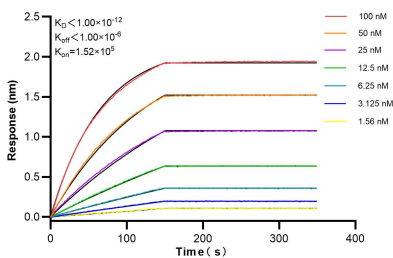
Various lysates were subjected to SDS PAGE followed by western blot with 83038-4-RR (ABCD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83038-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ABCD1 antibody (83038-4-RR, Clone: 230226E12 ) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83038-4-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug ABCD1 Recombinant antibody (83038-4-RR, Clone:230226E12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83038-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83038-4-RR against Human ABCD1 were performed. The affinity constant is below 1 pM.