

For Research Use Only

# ABCD2 Recombinant monoclonal antibody

Catalog Number: 86519-4-RR



## Basic Information

<b>Catalog Number:</b> 86519-4-RR	<b>GenBank Accession Number:</b> BC104901	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 225	<b>CloneNo.:</b> 251255A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UBJ2	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP-binding cassette, sub-family D (ALD), member 2	
<b>Immunogen Catalog Number:</b> AG12872	<b>Calculated MW:</b> 740 aa, 83 kDa	
	<b>Observed MW:</b> 70-75 kDa	

## Applications

### Tested Applications:

WB, IP, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB: mouse cerebellum tissue, mouse adipose tissue, rat cerebellum tissue

IP: mouse cerebellum tissue,

## Background Information

ABCD2 is a member of the superfamily of ATP-binding cassette (ABC) transporters, and is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. ABCD2 plays a role in regulation of VLCFAs and energy metabolism, in the degradation and biosynthesis of fatty acids by beta-oxidation (PMID:29397936, 21145416).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

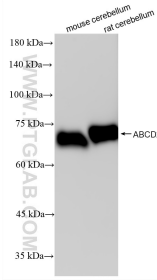
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

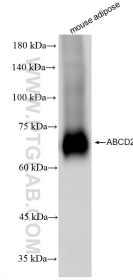
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

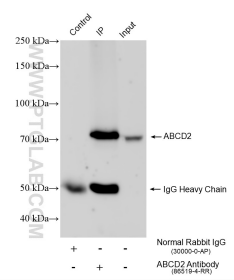
## Selected Validation Data



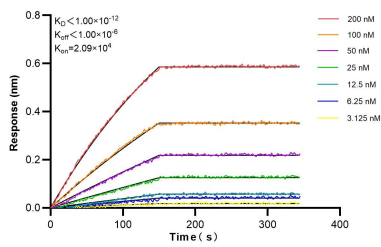
Various lysates were subjected to SDS PAGE followed by western blot with 86519-4-RR (ABCD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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IP result of anti-ABCD2 (IP:86519-4-RR, 4ug; Detection:86519-4-RR 1:2000) with mouse cerebellum tissue lysate 2000 ug.



Bi-layer interferometry (BLI) kinetic assays of 86519-4-RR against Human ABCD2 were performed. The affinity constant is below 1 pM.