

For Research Use Only

# ABCD2 Recombinant monoclonal antibody

Catalog Number:86519-4-RR



## Basic Information

**Catalog Number:**

86519-4-RR

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12872

**GenBank Accession Number:**

BC104901

**GeneID (NCBI):**

225

**UNIPROT ID:**

Q9UBJ2

**Full Name:**

ATP-binding cassette, sub-family D (ALD), member 2

**Calculated MW:**

740 aa, 83 kDa

**Observed MW:**

70-75 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

251255A3

**Recommended Dilutions:**

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## 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

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

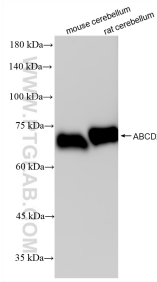
T: 4006900926

E: Proteintech-CN@ptglab.com

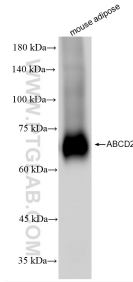
W: ptgcn.com

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

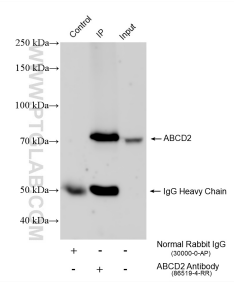
## Selected Validation Data



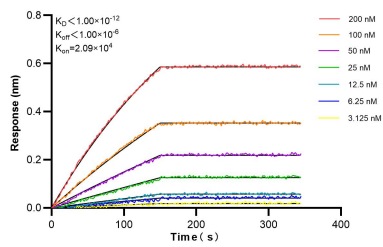
Various lysates were subjected to SDS PAGE followed by western blot with 86519-4-RR (ABCD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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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.