

For Research Use Only

ABCD4 Polyclonal antibody

Catalog Number: 15935-1-AP



Basic Information

Catalog Number:

15935-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8783

GenBank Accession Number:

BC012815

GeneID (NCBI):

5826

UNIPROT ID:

O14678

Full Name:

ATP-binding cassette, sub-family D (ALD), member 4

Calculated MW:

606 aa, 69 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, mouse liver tissue, mouse skeletal muscle tissue

Background Information

ABCD4, also known as P70R, PMP69, and PXMP1L, belongs to the ATP-binding cassette (ABC) transporter superfamily. ABCD4 Lysosomal membrane protein that transports cobalamin (Vitamin B12) from the lysosomal lumen to the cytosol in an ATP-dependent manner (PMID: 22922874, 33845046, 28572511). ABCD4 is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. Mutations in ABCD4 cause a new inborn error of vitamin B12 metabolism, which is related to methylmalonic aciduria and homocystinuria type cblJ (MAHCJ).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

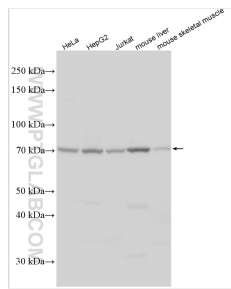
For technical support and original validation data for this product please contact:

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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 15935-1-AP (ABCD4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.