

ABCD4 Polyclonal antibody

Catalog Number: 15935-1-AP

Basic Information

Catalog Number:

15935-1-AP

Size:

450 µg/ml

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:

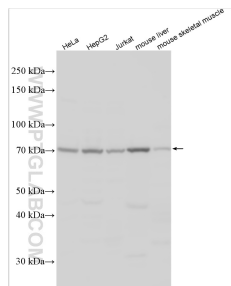
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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.