

For Research Use Only

ABCD4 Polyclonal antibody

Catalog Number: 15935-1-AP



Basic Information

Catalog Number: 15935-1-AP	GenBank Accession Number: BC012815	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 5826	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: ATP-binding cassette, sub-family D (ALD), member 4	
Isotype: IgG	Calculated MW: 606 aa, 69 kDa	
Immunogen Catalog Number: AG8783	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, Jurkat cells, mouse liver tissue, mouse skeletal muscle tissue
Species Specificity: human, mouse	

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

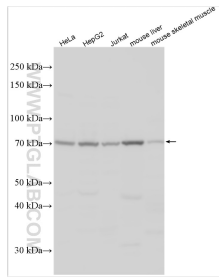
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
W: ptglab.com

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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.