

Product Name: ABCD4 Rabbit Polyclonal Antibody**Catalog #: APRab06418**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	70kDa

Antigen Information

Gene Name	ABCD4 ABCD4; PXMP1L; ATP-binding cassette sub-family D member 4; PMP70-related protein;
Alternative Names	P70R; Peroxisomal membrane protein 1-like; PXMP1-L; Peroxisomal membrane protein 69; PMP69
Gene ID	5826.0
SwissProt ID	O14678
Immunogen	The antiserum was produced against synthesized peptide derived from human ABCD4. AA range:111-160

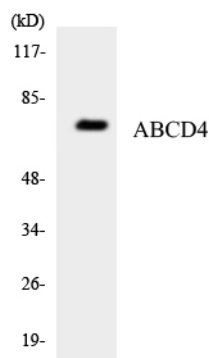
Background

The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. The function of this peroxisomal membrane protein is unknown. However, it is speculated that it may function as a heterodimer for another peroxisomal ABC transporter and, therefore, may modify the adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisimilarity:Belongs to the ABC transporter family. ALD subfamily.,similarity:Contains 1 ABC transmembrane type-1 domain.,similarity:Contains 1 ABC transporter domain.,subunit:Homodimer or heterodimer .,tissue specificity:Ubiquitous.,

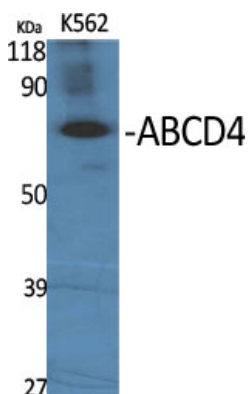
Research Area

ABC transporters;

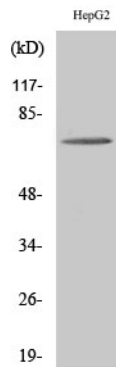
Image Data



Western blot analysis of the lysates from HeLa cells using ABCD4 antibody.



Western Blot analysis of various cells using ABCD4 Polyclonal Antibody diluted at 1 : 500



Western Blot analysis of HepG2 cells using ABCD4 Polyclonal Antibody diluted at 1: 500