

Product datasheet for **TA332115**

PMP70 (ABCD3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-ABCD3 Antibody: synthetic peptide directed towards the N terminal of human ABCD3. Synthetic peptide located within the following region: LKYGLNELKLCFRVRLTKYLYEEYLQAFTYYKMGNLDNRIANPDQLLTQD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	75 kDa
Gene Name:	ATP binding cassette subfamily D member 3
Database Link:	NP_002849 Entrez Gene 5825 Human P28288



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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. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis. Mutations have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Synonyms:

ABC43; CBAS5; PMP70; PXMP1; ZWS2

Note:

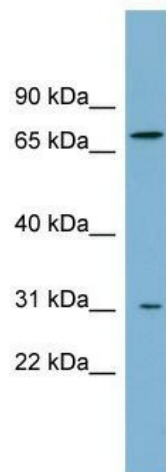
Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 93%; Zebrafish: 93%; Yeast: 77%

Protein Families:

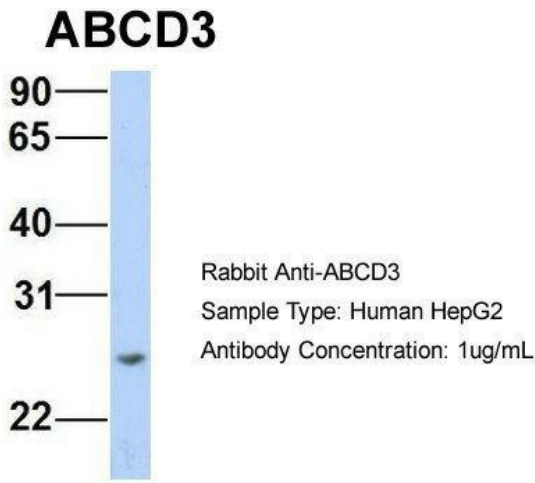
Druggable Genome, Transmembrane

Protein Pathways:

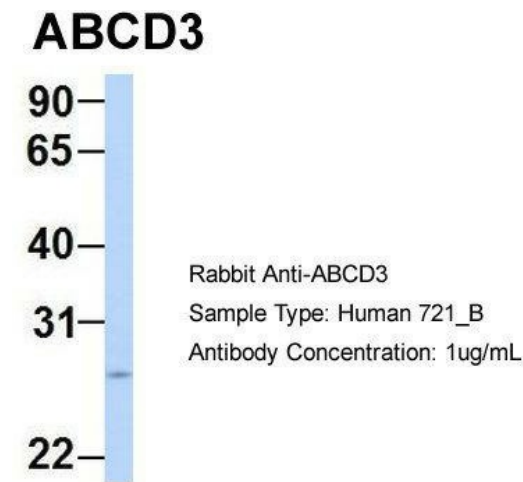
ABC transporters

Product images:

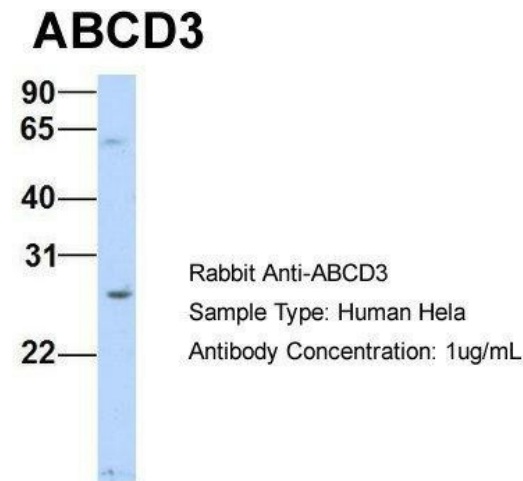
WB Suggested Anti-ABCD3 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive
Control: Human Small Intestine



Host: Rabbit; Target Name: ABCD3; Sample Tissue: Human HepG2; Antibody Dilution: 1.0ug/ml; ABCD3 is supported by BioGPS gene expression data to be expressed in HepG2



Host: Rabbit; Target Name: ABCD3; Sample Tissue: Human 721_B; Antibody Dilution: 1.0ug/ml; ABCD3 is supported by BioGPS gene expression data to be expressed in 721_B



Host: Rabbit; Target Name: ABCD3; Sample Tissue: Human HeLa; Antibody Dilution: 1.0ug/ml; ABCD3 is supported by BioGPS gene expression data to be expressed in HeLa