

For Research Use Only

ABCD3 Recombinant monoclonal antibody

Catalog Number:87047-1-RR



Basic Information

Catalog Number: 87047-1-RR	GenBank Accession Number: BC068509	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5825	CloneNo.: 252233H1
Source: Rabbit	UNIPROT ID: P28288	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: ATP-binding cassette, sub-family D (ALD), member 3	
Immunogen Catalog Number: AG24760	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse liver tissue, HEK-293 cells, PC-3 cells, PC-12 cells IF/ICC : PC-3 cells,

Background Information

ABCD3 belongs to the superfamily of ATP-binding cassette (ABC) transporters and is a peroxisomal membrane transporter involved in the transport of branched-chain fatty acids and C27 bile acids into the peroxisome. ABCD3 plays a role in the regulation of LCFAs and energy metabolism, namely in the degradation and biosynthesis of fatty acids via beta-oxidation (PMID: 24333844). Mutations in ABCD3 are associated with congenital bile acid synthesis defect 5 (CBAS5)(PMID: 25168382).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

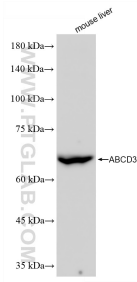
For technical support and original validation data for this product please contact:

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

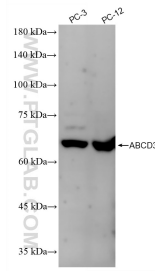
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

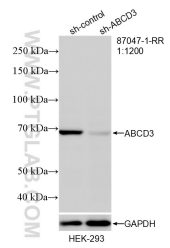
Selected Validation Data



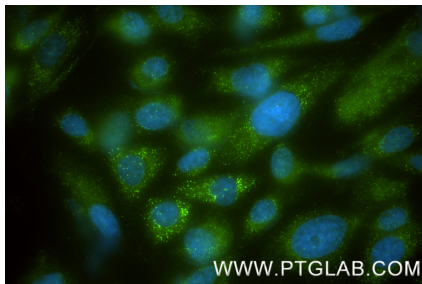
mouse liver tissue were subjected to SDS PAGE followed by western blot with 87047-1-RR (ABCD3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 87047-1-RR (ABCD3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of ABCD3 antibody (87047-1-RR; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-ABCD3 transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using ABCD3 antibody (87047-1-RR, Clone: 25223H1) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).