

For Research Use Only

ABCD1 Polyclonal antibody

Catalog Number: 11159-1-AP **2 Publications**



Basic Information

Catalog Number: 11159-1-AP	GenBank Accession Number: BC025358	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 215	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: P33897	
Isotype: IgG	Full Name: ATP-binding cassette, sub-family D (ALD), member 1	
Immunogen Catalog Number: AG1635	Calculated MW: 745 aa, 83 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls: WB : human brain tissue, HeLa cells, mouse liver tissue IP : mouse liver tissue, IHC : human lung cancer tissue, IF/ICC : HeLa cells,
Cited Applications: WB, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ABCD1 (also known as ALDP) is a member of the ATP-binding cassette (ABC) transporter superfamily which functions as transporter for a wide variety of substrates. It localizes to the peroxisomal membrane. The exact function is not clear so far. Various mutations of ABCD1 cause X-linked adrenoleukodystrophy (X-ALD), an inherited neurodegenerative disease affecting the nervous system white matter and adrenal cortex.

Notable Publications

Author	Pubmed ID	Journal	Application
Isabel Valença	33121137	Cancers (Basel)	WB
Yejin Yao	38062668	J Biomed Res	IF

Storage

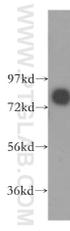
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

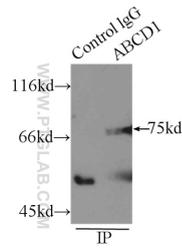
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

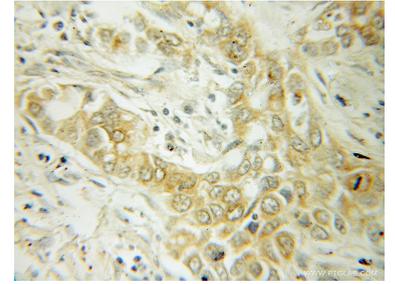
Selected Validation Data



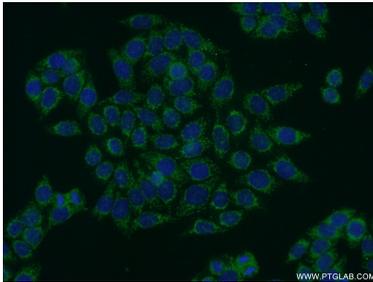
human brain tissue were subjected to SDS PAGE followed by western blot with 11159-1-AP (ABCD1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-ABCD1 (IP:11159-1-AP, 4ug; Detection:11159-1-AP 1:500) with mouse liver tissue lysate 5000ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 11159-1-AP (ABCD1 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HeLa cells using 11159-1-AP (ABCD1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).