

ABCD1 Polyclonal antibody

Catalog Number: 11159-1-AP

1 Publications

Basic Information

Catalog Number: 11159-1-AP	GenBank Accession Number: BC025358	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 133 µg/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 IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: ATP-binding cassette, sub-family D (ALD), member 1	IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG	Calculated MW: 745 aa, 83 kDa	
Immunogen Catalog Number: AG1635	Observed MW: 75 kDa	

Applications

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

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

Storage

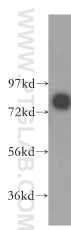
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

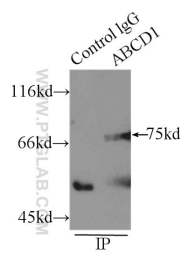
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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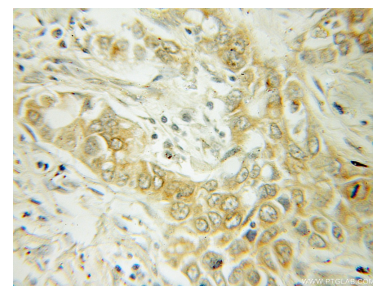
Selected Validation Data



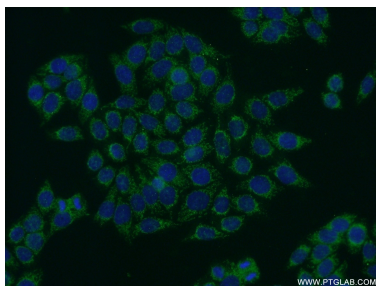
human brain tissue were subjected to SDS PAGE followed by western blot with 11159-1-AP (ABCD1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).