

For Research Use Only

ABCB7 Polyclonal antibody

Catalog Number: 11158-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

11158-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1544

GenBank Accession Number:

BC006323

GeneID (NCBI):

22

UNIPROT ID:

O75027

Full Name:

ATP-binding cassette, sub-family B (MDR/TAP), member 7

Calculated MW:

753 aa, 83 kDa

Observed MW:

83 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse liver tissue, mouse thymus tissue

IP: mouse liver tissue,

Background Information

ABCB7 belongs to the ATP-binding cassette (ABC) transporter superfamily. ABCB7 exports glutathione-coordinated iron-sulfur clusters from the mitochondria to the cytosol in an ATP-dependent manner allowing the assembly of the cytosolic iron-sulfur-containing proteins and participates in iron homeostasis (PMID: 33157103, 17192393). ABCB7 structure and mutation causing X-linked sideroblastic anemia and ataxia (XLSA/A) with disruption of cytosolic iron-sulfur protein maturation (PMID: 10196363, 11050011).

Notable Publications

Author	Pubmed ID	Journal	Application
Hsiang-Chun Chang	33835027	Elife	WB
Xiaojian Shi	38157846	Mol Cell	WB
Shiyun Feng	37142077	Arch Biochem Biophys	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

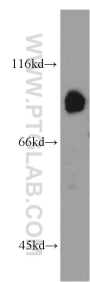
For technical support and original validation data for this product please contact:

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

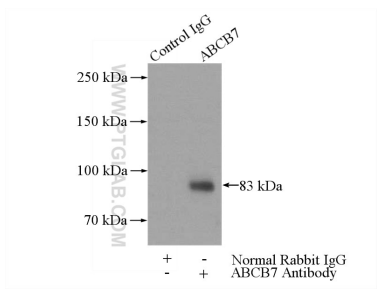
E: proteintech@ptglab.com
W: ptglab.com

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 11158-1-AP (ABCB7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ABCB7 (IP:11158-1-AP, 4ug; Detection:11158-1-AP 1:500) with mouse liver tissue lysate 4000ug.