

For Research Use Only

ABCB7 Polyclonal antibody

Catalog Number: 11158-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

11158-1-AP

Size:

700 µg/ml

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 µg 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

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

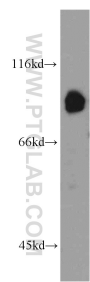
T: 4006900926

E: Proteintech-CN@ptglab.com

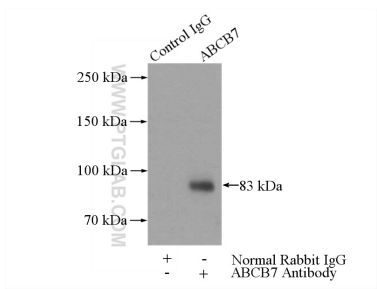
W: ptgcn.com

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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.