

Anti-ABCB7 Antibody

Rabbit polyclonal antibody to ABCB7

Catalog # AP59471

Product Information

Application	WB
Primary Accession	Q75027
Other Accession	Q61102
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82641

Additional Information

Gene ID	22
Other Names	ABCB7; ATP-binding cassette sub-family B member 7 mitochondrial; ATP-binding cassette transporter 7; ABC transporter 7 protein
Target/Specificity	Recognizes endogenous levels of ABCB7 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ABCB7 (HGNC:48)
Synonyms	ABC7
Function	<p>Exports glutathione-coordinated iron-sulfur clusters such as [2Fe-2S]-(GS)₄ cluster from the mitochondria to the cytosol in an ATP- dependent manner allowing the assembly of the cytosolic iron-sulfur (Fe/S) cluster-containing proteins and participates in iron homeostasis (PubMed:10196363, PubMed:17192393, PubMed:33157103). Moreover, through a functional complex formed of ABCB7, FECH and ABCB10, also plays a role in the cellular iron homeostasis, mitochondrial function and heme biosynthesis (PubMed:30765471). In cardiomyocytes, regulates cellular iron homeostasis and cellular reactive oxygen species (ROS) levels through its interaction with COX4I1 (By similarity). May also play a role in hematopoiesis (By similarity).</p> <p>Mitochondrion inner membrane {ECO:0000250 UniProtKB:P40416};</p>

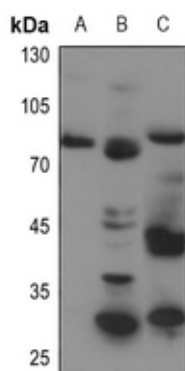
Cellular Location

Multi-pass membrane protein {ECO:0000250|UniProtKB:P40416}

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ABCB7. The exact sequence is proprietary.

Images



Western blot analysis of ABCB7 expression in HEK293T (A), HeLa (B), mouse lung (C) whole cell lysates.

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