

Anti-ABCB7 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17287

Product Information

Application	WB, IHC-P
Primary Accession	O75027
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82641
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	22
Alias Symbol	ABCB7
Other Names	ABCB7, ABC transporter 7 protein, ABC7, Atm1p, ATP-binding cassette 7, ASAT, EST140535
Target/Specificity	Recognizes endogenous levels of ABCB7 protein.
Reconstitution & Storage	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
Precautions	Anti-ABCB7 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

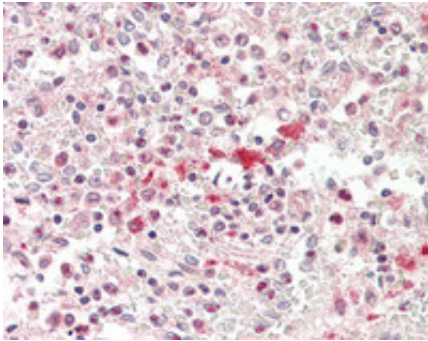
Protein Information

Name	ABCB7 (HGNC:48)
Synonyms	ABC7
Function	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).

Cellular Location

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

Images



Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.