

Anti-ABCB7 Antibody (C-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17287**Specification**

Anti-ABCB7 Antibody (C-Terminus) - Product Information

Application	IHC-P
Primary Accession	O75027
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82641

Anti-ABCB7 Antibody (C-Terminus) - 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.

Anti-ABCB7 Antibody (C-Terminus) - 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:33157103, PubMed:17192393, PubMed:10196363). 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).

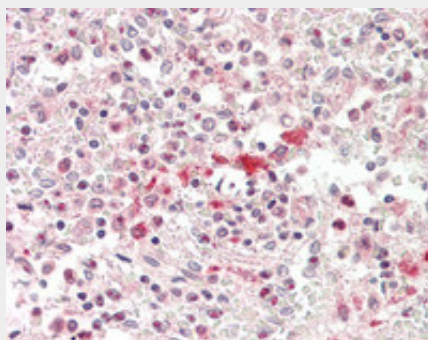
Cellular Location

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

Anti-ABCB7 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ABCB7 Antibody (C-Terminus) - Images

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