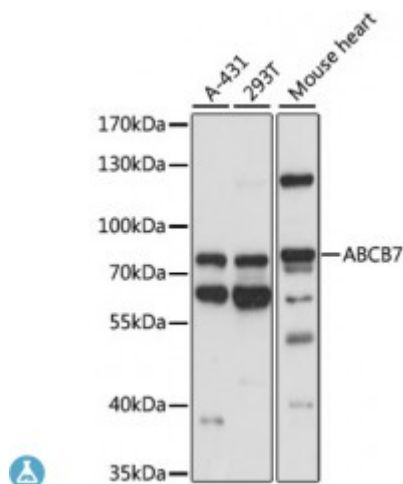


Anti-ABCB7 Antibody



Description

The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a half-transporter involved in the transport of heme from the mitochondria to the cytosol. With iron/sulfur cluster precursors as its substrates, this protein may play a role in metal homeostasis. Mutations in this gene have been associated with mitochondrial iron accumulation and isodicentric (X)(q13) and sideroblastic anemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Model	STJ116899
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, IHC, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 503-753 of human ABCB7 (NP_004290.2).
Gene ID	22
Gene Symbol	ABCB7
Dilution range	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	ATP-binding cassette sub-family B member 7 mitochondrial ATP-binding cassette transporter 7 ABC transporter 7 protein
Molecular Weight	82.641 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:48OMIM:300135Reactome:R-HSA-1369007
Alternative Names	ATP-binding cassette sub-family B member 7 mitochondrial ATP-binding cassette transporter 7 ABC transporter 7 protein
Function	Could be involved in the transport of heme from the mitochondria to the cytosol, Plays a central role in the maturation of cytosolic iron-sulfur (Fe/S) cluster-containing proteins
Cellular Localization	Mitochondrion inner membrane

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