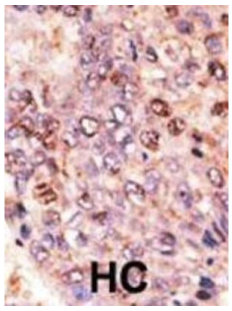
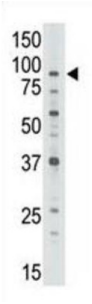
ATP Binding Cassette Subfamily B Member 7 (ABCB7) Antibody

Catalogue No.:abx032688





The membrane-associated protein ABCB7 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 implicated in X-linked sideroblastic anemia with ataxia.

Target:	ATP Binding Cassette Subfamily B Member 7 (ABCB7)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 718-746 amino acids from the C-terminal region of human ABCB7.

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Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O75027 (UniProt, ExPASy)
Gene Symbol:	ABCB7
GeneID:	22
OMIM:	300135
NCBI Accession:	NP_001258625.1, NM_001271696.1
HGNC:	48
KEGG:	hsa:22
Ensembl:	ENSG00000131269
String:	9606.ENSP00000253577
Molecular Weight:	Calculated MW: 82.6 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse and Rat ABCB7.
Note:	This product is for research use only.

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