

Rabbit ABCB7 Polyclonal Antibody | anti-ABCB7 antibody

ABCB7 Antibody (C-term)

CATALOG # AAA288720	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

ABCB7; Polyclonal Antibody; ABCB7 Antibody (C-term); ATP-binding cassette sub-family B member 7; mitochondrial; ATP-binding cassette transporter 7; ABC transporter 7 protein; ABC7; anti-ABCB7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ABCB7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 718-746 amino acids from the C-terminal region of human ABCB7.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	718-746
Sequence Length	752
Applicable Applications for anti-ABCB7 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-ABCB7 C-term Pab is used in Western blot to detect ABCB7 in Jurkat cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB7 antibody	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.
Product Categories/Family for anti-ABCB7 antibody	Metabolism; Signal Transduction
References	Allikmets, R., et al., Hum. Mol. Genet. 8(5):743-749 (1999). Csere, P., et al., FEBS Lett. 441(2):266-270 (1998). Mao, M., et al., Proc. Natl. Acad. Sci. U.S.A. 95(14):8175-8180 (1998). Shimada, Y., et al., J. Hum. Genet. 43(2):115-122 (1998). Savary, S., et al., Genomics 41(2):275-278 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	411147363
NCBI GeneID	22
NCBI Accession #	NP_001258625.1; NP_001258627.1; NP_004290.2
NCBI GenBank Nucleotide #	NM_001271696.1
UniProt Accession #	O75027; O75345; Q5VWY7; Q5VWY8; Q9BRE1; Q9UND1; Q9UP01; G3XAC4
Molecular Weight	82641
NCBI Official Full Name	ATP-binding cassette sub-family B member 7, mitochondrial isoform 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 7
NCBI Official Symbol	ABCB7
NCBI Official Synonym Symbols	ABC7; ASAT; Atm1p; EST140535
NCBI Protein Information	ATP-binding cassette sub-family B member 7, mitochondrial
UniProt Protein Name	ATP-binding cassette sub-family B member 7, mitochondrial
UniProt Gene Name	ABCB7
UniProt Synonym Gene Names	ABC7; ABC transporter 7 protein
UniProt Entry Name	ABCB7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.