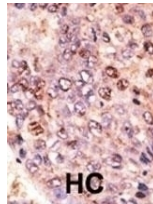
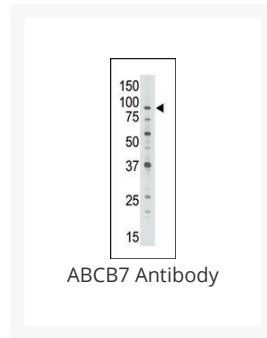




ABCB7 Antibody

Cat. No.: 62-131



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. BC = breast carcinoma; HC = hepatocarcinoma.

Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Mouse, Rat
IMMUNOGEN:	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.
TESTED APPLICATIONS:	IHC-P, WB
APPLICATIONS:	For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:50~100

PREDICTED MOLECULAR WEIGHT:	83 kDa
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Properties

PURIFICATION:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis
CLONALITY:	Polyclonal
ISOTYPE:	Rabbit Ig
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	Supplied in PBS with 0.09% (W/V) sodium azide.
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	Store at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Additional Info

OFFICIAL SYMBOL:	ABCB7
ALTERNATE NAMES:	ATP-binding cassette sub-family B member 7, mitochondrial, ATP-binding cassette transporter 7, ABC transporter 7 protein, ABCB7, ABC7
ACCESSION NO.:	O75027
GENE ID:	22
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	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.
REFERENCES:	1) Allikmets, R., et al., Hum. Mol. Genet. 8(5):743-749 (1999). 2) Csere, P., et al., FEBS Lett. 441(2):266-270 (1998).

	3) Mao, M., et al., Proc. Natl. Acad. Sci. U.S.A. 95(14):8175-8180 (1998).
	4) Shimada, Y., et al., J. Hum. Genet. 43(2):115-122 (1998).

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