



ABCB7 rabbit pAb

Cat No.:ES1564

For research use only

Overview

Product Name	ABCB7 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ABCB7. AA range:691-740
Specificity	ABCB7 Polyclonal Antibody detects endogenous levels of ABCB7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	ATP-binding cassette sub-family B member 7 mitochondrial
Gene Name	ABCB7
Cellular localization	Mitochondrion inner membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	Human:83kD,Mouse/Rat 100kD
Human Gene ID	22
Human Swiss-Prot Number	O75027
Alternative Names	ABCB7; ABC7; ATP-binding cassette sub-family B member 7; mitochondrial; ATP-binding cassette transporter 7; ABC transporter 7 protein
Background	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding

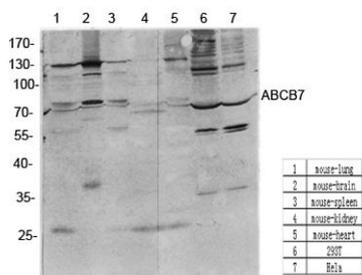




cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are 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 hav



Western Blot analysis of various cells using ABCB7 Polyclonal Antibody diluted at 1:1000



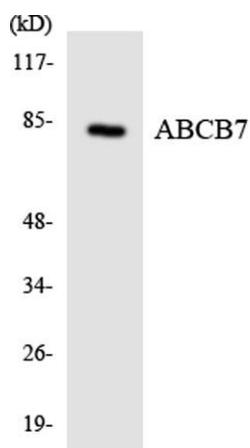
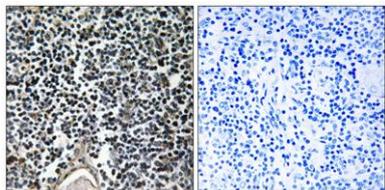
Western Blot analysis of various cells using antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





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Immunohistochemistry analysis of paraffin-embedded human thymus gland, using ABCB7 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using ABCB7 antibody.



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