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Product datasheet for TA332015

ABCB8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-ABCB8 Antibody: synthetic peptide directed towards the middle region of human ABCB8. Synthetic peptide located within the following region: EPVLFGTTIMENIRFGKLEASDEEVYTAAREANAHEFITSFPEGYNTVVG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	79 kDa
Gene Name:	ATP binding cassette subfamily B member 8
Database Link:	NP_009119 Entrez Gene 11194 Human Q9NUT2

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Background: The membrane-associated protein ABCB8 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC proteins are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). ABCB8 is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. The function of this half-transporter has not yet been determined; however, it may involve the compartmentalization and transport of heme, as well as peptides, from the mitochondria to the nucleus and cytosol. This protein may also play a role in the transport of phospholipids into mitochondrial membranes.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. The function of this half-transporter has not yet been determined; however, it may involve the compartmentalization and transport of heme, as well as peptides, from the mitochondria to the nucleus and cytosol. This protein may also play a role in the transport of phospholipids into mitochondrial membranes.

Synonyms: EST328128; M-ABC1; MABC1

Note: Immunogen sequence homology: Human: 100%; Mouse: 100%; Dog: 93%; Pig: 93%; Rat: 93%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

Product images:

WB Suggested Anti-ABCB8 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Human heart