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Abcb8 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12310

Product Information

Application	WB
Primary Accession	Q9CXJ4
Other Accession	NM_029020, NP_083296
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78000

Additional Information

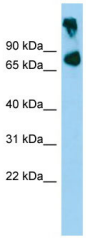
Gene ID	74610
Alias Symbol	4833412N02Rik, AA409895
Other Names	ATP-binding cassette sub-family B member 8, mitochondrial, Abcb8
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Abcb8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Abcb8 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Abcb8 {ECO:0000303|PubMed:22375032, ECO:0000312|MGI:MGI:1351667}
Function	ATP-binding subunit of the mitochondrial ATP-gated potassium channel (mitoK(ATP)). Together with pore-forming subunit CCDC51/MITOK of the mitoK(ATP) channel, mediates ATP-dependent potassium currents across the mitochondrial inner membrane. An increase in ATP intracellular levels closes the channel, inhibiting K(+) transport, whereas a decrease in ATP levels enhances K(+) uptake in the mitochondrial matrix (By similarity). Plays a role in mitochondrial iron transport (PubMed:22375032). Required for maintenance of normal cardiac function, possibly by influencing mitochondrial iron export and regulating the maturation of cytosolic iron sulfur cluster-containing enzymes (PubMed:22375032).

Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9NUT2}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441}

Images



WB Suggested Anti-Abcb8 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Muscle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.