10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Abcb10 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12311

Product Information

Application	WB
Primary Accession	Q9JI39
Other Accession	NM_019552, NP_062425
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77188

Additional Information

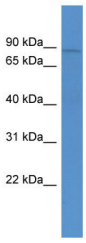
Gene ID	56199
Alias Symbol	AU016331, Abc-me, Abcb12, C76534
Other Names	ATP-binding cassette sub-family B member 10, mitochondrial, ABC-mitochondrial erythroid protein, ABC-me protein, ATP-binding cassette transporter 10, ABC transporter 10 protein, Abcb10
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Abcb10 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	Abcb10 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Abcb10 {ECO:0000312|MGI:MGI:1860508}
Function	ATP-dependent transporter located in the mitochondrial inner membrane that catalyzes the export of biliverdin from the mitochondrial matrix, and plays a crucial role in hemoglobin synthesis and antioxidative stress (PubMed:22240895, PubMed:24421385, PubMed:26053025, PubMed:28808058, PubMed:34011630). Participates in the early step of the heme biosynthetic process during insertion of iron into protoporphyrin IX (PPIX) (PubMed:24421385, PubMed:28808058). Involved in the stabilization of the iron transporter mitoferrin- 1/SLC25A37 (PubMed:19805291). In addition

	may be involved in mitochondrial unfolded protein response (UPRmt) signaling pathway, although ABCB10 probably does not participate in peptide export from mitochondria (By similarity).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9NRK6}
Tissue Location	Expressed at particularly high levels in fetal liver, and erythroid tissues of embryos and adults. Found also in adult bone marrow, liver and kidney, and at lower levels in heart, brain and spleen.

Images



WB Suggested Anti-Abcb10 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Mouse Spleen

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