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Anti-ABCB10 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18437

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q9NRK6
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79148
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	23456
Alias Symbol	ABCB10
Other Names	ABCB10, ABC-me, ABC transporter 10 protein, M-ABC2, EST20237, MTABC2
Target/Specificity	Recognizes endogenous levels of ABCB10 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-ABCB10 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ABCB10 (HGNC:41)
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:22085049, PubMed:28315685, PubMed:28808058, PubMed:34011630, PubMed:37041204). Participates in the early step of the heme biosynthetic process during insertion of iron into protoporphyrin IX (PPIX) (PubMed:22085049, PubMed:28808058). Involved in the stabilization of the iron transporter mitoferrin- 1/SLC25A37 (By similarity). In addition may be involved in mitochondrial unfolded protein response (UPRmt) signaling pathway, although ABCB10 probably does not participate in peptide export from mitochondria (PubMed:28315685).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9JI39}; Multi-pass membrane protein

Tissue Location	Ubiquitous. Highly expressed in bone marrow, expressed at intermediate to high levels in skeletal muscle, small intestine, thyroid, heart, brain, placenta, liver, pancreas, prostate, testis, ovary, leukocyte, stomach, spinal cord, lymph node, trachea and adrenal gland, and low levels are found in lung, kidney, spleen, thymus and colon.