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Anti-ABCB10 Antibody (aa441-490)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18353

Specification

Anti-ABCB10 Antibody (aa441-490) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q9NRK6
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**79148**

Anti-ABCB10 Antibody (aa441-490) - Additional Information

Gene ID 23456

Alias Symbol	**ABCB10**

Other Names
ABCB10, ABC-me, ABC transporter 10 protein, M-ABC2, EST20237, MTABC2

Target/Specificity
ABCB10 Antibody detects endogenous levels of total ABCB10 protein.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-ABCB10 Antibody (aa441-490) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ABCB10 Antibody (aa441-490) - Protein Information

Name ABCB10 (HGNC:41)

Function
Catalyzes the export of an unknown physiological substrate from the mitochondrial matrix to the cytosol in an ATP-dependent manner (PubMed:33253225). May also transport the heme analog Zn (II) mesoporphyrin (ZnMP) in an ATP dependent manner but can't export the heme precursor 5-aminolevulinic acid (ALA) from mitochondria (PubMed:33253225). Plays a role in the early step of the heme biosynthetic process during insertion of iron into protoporphyrin IX (PPIX). In turn participates in hemoglobin synthesis and also protects against oxidative stress (PubMed:28808058, PubMed:22085049). 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

Anti-ABCB10 Antibody (aa441-490) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ABCB10 Antibody (aa441-490) - Images