

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
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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**

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](http://www.uniprot.org/citations/22085049), PubMed: [28315685](http://www.uniprot.org/citations/28315685), PubMed: [28808058](http://www.uniprot.org/citations/28808058), PubMed: [34011630](http://www.uniprot.org/citations/34011630), PubMed: [37041204](http://www.uniprot.org/citations/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:Q9JL39}; 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 Cytometry](#)
- [Cell Culture](#)

Anti-ABCB10 Antibody (aa441-490) - Images