

ABCB10 Polyclonal Antibody
Catalog # AP68228**Specification****ABCB10 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	Q9NRK6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

ABCB10 Polyclonal Antibody - Additional Information**Gene ID** 23456**Other Names**

ABCB10; ATP-binding cassette sub-family B member 10; mitochondrial; ATP-binding cassette transporter 10; ABC transporter 10 protein; Mitochondrial ATP-binding cassette 2; M-ABC2

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ABCB10 Polyclonal Antibody - 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](http://www.uniprot.org/citations/22085049), PubMed: [28808058](http://www.uniprot.org/citations/28808058)). Involved in the stabilization of the iron transporter mitoferrin-1/SLC25A37 (By similarity). In addition may be

involved in mitochondrial unfolded protein response (UPR^{mt}) signaling pathway, although ABCB10 probably does not participate in peptide export from mitochondria (PubMed:28315685).

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9J139}; Multi-pass membrane protein

Tissue Location

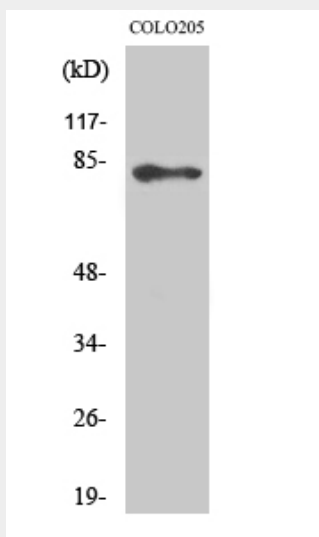
Ubiquitous. Highly expressed in bone marrow, expressed at intermediate to high levels in skeletal muscle, small intestine, thyroid, heart, brain, placenta, liver, pancreas, prostate, testis, ovary, leukocyte, stomach, spinal cord, lymph node, trachea and adrenal gland, and low levels are found in lung,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

ABCB10 Polyclonal Antibody - 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](#)

ABCB10 Polyclonal Antibody - Images



Western Blot analysis of various cells using ABCB10 Polyclonal Antibody

ABCB10 Polyclonal Antibody - Background

May mediate critical mitochondrial transport functions related to heme biosynthesis.