

ABCB10 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2793a**Specification**

ABCB10 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O9NRK6
Other Accession	NP_036221.2 , 23456 , 56199 (mouse) , 361439 (rat)
Predicted	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	79148

ABCB10 Antibody (C-Term) - Additional Information**Gene ID** 23456**Other Names**

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, ABCB10

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ABCB10 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCB10 Antibody (C-Term) - 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:<a href="http://www.uniprot.org/citations/22085049"

target="_blank">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: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.

ABCB10 Antibody (C-Term) - 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 Antibody (C-Term) - Images

ABCB10 Antibody (C-Term) - References

Targeting, import, and dimerization of a mammalian mitochondrial ATP binding cassette (ABC) transporter, ABCB10 (ABC-me). Graf SA, Haigh SE, Corson ED, Shirihaei OS. J Biol Chem. 2004 Oct 8;279(41):42954-63 PMID: 15215243