

Abcb10 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12311**Specification**

Abcb10 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9JI39
Other Accession	NM_019552 , NP_062425
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Rat, Rabbit, Zebrafish, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77kDa kDa

Abcb10 antibody - N-terminal region - Additional Information**Gene ID** 56199**Alias Symbol** AU016331, Abc-me, Abcb12, C76534**Other Names**

ATP-binding cassette sub-family B member 10, mitochondrial, ABC-mitochondrial erythroid protein, ABC-me protein, ATP-binding cassette transporter 10, ABC transporter 10 protein, Abcb10

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Abcb10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Abcb10 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Abcb10 antibody - N-terminal region - Protein Information**Name** Abcb10 {ECO:0000312|MGI:MGI:1860508}**Function**

Catalyzes the export of an unknown physiological substrate from the mitochondrial matrix to the cytosol in an ATP-dependent manner (PubMed:26053025). 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:28808058, PubMed:28808058).

href="http://www.uniprot.org/citations/26053025" target="_blank">26053025). 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:22240895, PubMed:28808058, PubMed:24421385). In addition may be involved in mitochondrial unfolded protein response (UPRmt) signaling pathway, although ABCB10 probably does not participate in peptide export from mitochondria (By similarity).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

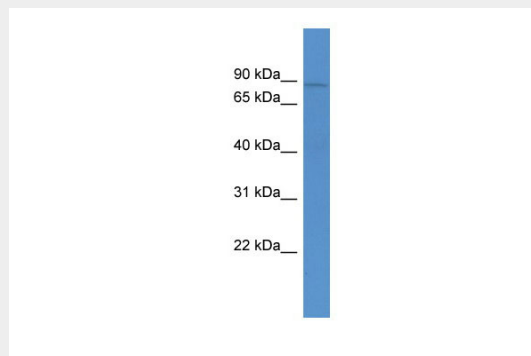
Expressed at particularly high levels in fetal liver, and erythroid tissues of embryos and adults. Found also in adult bone marrow, liver and kidney, and at lower levels in heart, brain and spleen.

Abcb10 antibody - N-terminal region - 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 - N-terminal region - Images



WB Suggested Anti-Abcb10 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Mouse Spleen