

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

|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Application       | WB                                                                              |
| Primary Accession | <a href="#">O9JI39</a>                                                          |
| Other Accession   | <a href="#">NM_019552</a> , <a href="#">NP_062425</a>                           |
| 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:&lt;a href="http://www.uniprot.org/citations/26053025" target="\_blank"&gt;26053025&lt;/a&gt;). 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:&lt;a href="http://www.uniprot.org/citations/28808058" target="\_blank"&gt;28808058&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/28808058" target="\_blank"&gt;28808058&lt;/a&gt;).

href="http://www.uniprot.org/citations/26053025" target="\_blank">26053025</a>). 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:<a href="http://www.uniprot.org/citations/22240895" target="\_blank">22240895</a>, PubMed:<a href="http://www.uniprot.org/citations/28808058" target="\_blank">28808058</a>, PubMed:<a href="http://www.uniprot.org/citations/24421385" target="\_blank">24421385</a>). 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**

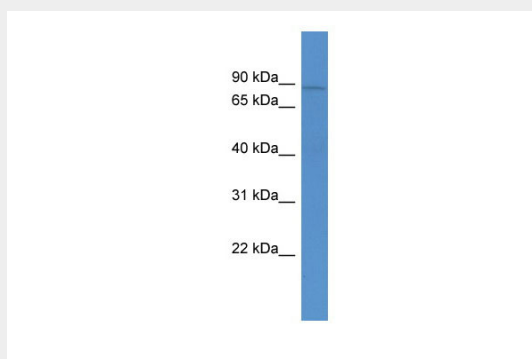
Expressed at particularly high levels in fetal liver, and erythroid tissues of embryos and adults. Found also in adult bone marrow, liver and kidney, and at lower levels in heart, brain and spleen.

#### **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