

## ABCB10 Antibody

*ABCB10, ATP-binding cassette, sub-family B (MDR/TAP), member 10, EST20237, M-ABC2, MTABC2, ATP-binding cassette, sub-family B, member 10, ABC-me*

**CATALOG NO.: 45-179**

**HOST:**

Goat

**CLONALITY:**

Polyclonal

**INFORMATION:**

ABCB10 Antibody.

**SOURCE:**

ABCB10 antibody was raised against a synthetic peptide of ABCB10.

**PROTEIN ACCESSION NUMBER(S) :**

NP\_036221.2

**SPECIES REACTIVITY:**

Human, Mouse, Rat

**TESTED APPLICATION:**

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**APPLICATION:**

Peptide ELISA: antibody detection limit dilution 1:64,000.  
Western Blot: Preliminary experiments gave bands at approx. 90kDa and 50kDa in Human Bone Marrow lysates after 0.05µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 79.1kDa according to NP\_036221.2 and given the expected mature size of ~65kDa according to Graf et al. (PMID: 15215243). Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands).

**PURIFICATION:**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**BUFFER:**

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**STORAGE:**

Aliquot and store at -20°C. Minimize freezing and thawing.

**REFERENCE:**

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

**USER NOTES:**

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.