



Datasheet for ABIN129698

## anti-ABCB6 antibody (AA 440-455)



[Go to Product page](#)

1 Image

2 Publications

### Overview

Quantity: 100 µg

Target: ABCB6

Binding Specificity: AA 440-455

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Conjugate: This ABCB6 antibody is un-conjugated

Application: Western Blotting (WB), ELISA

### Product Details

Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 440-455 of human ABCB6 protein.

Isotype: IgG

Cross-Reactivity: Dog (Canine)

Characteristics: Concentration Definition: by UV absorbance at 280 nm

### Target Details

Target: ABCB6

Alternative Name: ABCB6 ([ABCB6 Products](#))

## Target Details

---

Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. ABCB6 (ATP-binding cassette sub-family B member 6, also known as mitochondrial precursor ABC transporter 3, Mt-ABC transporter 3, and ABC transporter umat) is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABCB6 is a membrane-associated protein that transports various molecules across the extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, DR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily confer multi-drug resistance (MDR) to cancer cells and are also involved in antigen presentation. ABCB6 also likely plays a role in mitochondrial function. Localized to 2q26, this gene is considered a candidate gene for lethal neonatal metabolic syndrome, a disorder of mitochondrial function.  Synonyms: ABC antibody, ABC transporter umat antibody, ABC14 antibody, ATP binding cassette sub family B member 6, mitochondrial precursor antibody
-------------	---

Gene ID: 10058, 13123949

UniProt: Q9NP58

Pathways: Transition Metal Ion Homeostasis

## Application Details

---

Application Notes:	This affinity-purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 94 kDa in size corresponding to ABCB6 protein by western blotting in the appropriate cell lysate or extract.
--------------------	---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 1.0 mg/ml

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

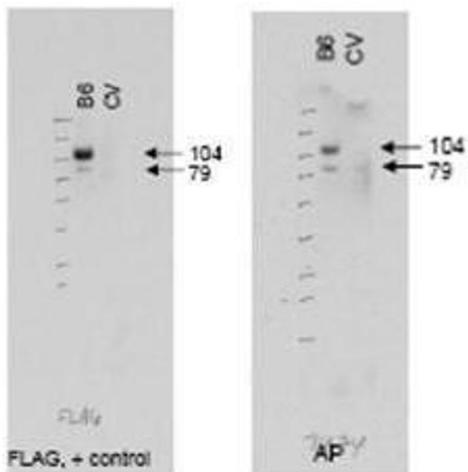
Storage: -20 °C

## Publications

Product cited in:

Balmus, Karp, Ng, Jackson, Adams, McIntyre: "A high-throughput in vivo micronucleus assay for genome instability screening in mice." in: **Nature protocols**, Vol. 10, Issue 1, pp. 205-15, (2015) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot using affinity purified anti-ABCB6 antibody (right panel, lane B6) shows detection of Flag tagged human ABCB6 protein at 104 kDa and a truncated form of the protein at 79 kDa (arrowheads). The antibody successfully detected ABCB6 in KB cells transfected with the ABCB6 protein. A lysate prepared from KB cells without a vector insert (CV lane) should no reactivity with the antibody. The left panel shows a similar staining pattern using an anti-Flag™ antibody as a positive control. The membrane was probed with the primary antibody diluted to 1:1,400. Personal Communication, Jill Paterson, CCR-NCI, Bethesda, MD.