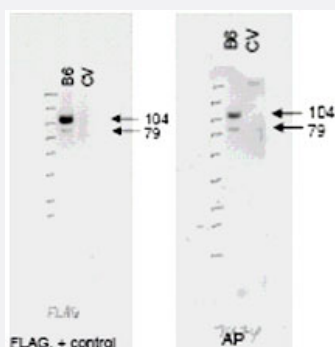


ABCB6 polyclonal antibody

Catalog # PAB9926 Size 100 ug

Applications

Western Blot (Transfected lysate)



Western blot using ABCB6 polyclonal antibody (Cat # PAB9926) (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 show 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ABCB6.
Immunogen	A synthetic peptide corresponding to amino acids 440-45 of human ABCB6.
Host	Rabbit
Reactivity	Dog, Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:40000-1:200000) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ABCB6

Entrez GeneID
[10058](#)
Protein Accession#
[Q9NP58](#)
Gene Name

ABCB6

Gene Alias

ABC, ABC14, EST45597, FLJ22414, MTABC3, PRP, umat

Gene Description

ATP-binding cassette, sub-family B (MDR/TAP), member 6

Omim ID
[605452](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This half-transporter 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. [provided by RefSeq]

Other Designations

ATP-binding cassette half-transporter|ATP-binding cassette, sub-family B, member 6

Publication Reference

- [MTABC3, a novel mitochondrial ATP-binding cassette protein involved in iron homeostasis.](#)

Mitsuhashi N, Miki T, Senbongi H, Yokoi N, Yano H, Miyazaki M, Nakajima N, Iwanaga T, Yokoyama Y, Shibata T, Seino S.

The Journal of Biological Chemistry 2000 Jun; 275(23):17536.

Pathway

- [ABC transporters](#)

Disease

- [Abnormalities](#)
- [Acidosis](#)
- [Cholestasis](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Renal Aminoacidurias](#)
- [Syndrome](#)