

ABCB7 Polyclonal Antibody

Description

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|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-AP00094 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human ABCB7. AA range:691-740 |
| Mol wt | 82641 |
| Species reactivity | Human |
| Clonality | Polyclonal |
| Recommended application | WB, IHC-p, ELISA |
| Concentration | 1 mg/ml |
| Full name | ABCB7 Antibody |
| Synonyms | ABCB7; ABC7; ATP-binding cassette sub-family B member 7; mitochondrial; ATP-binding cassette transporter 7; ABC transporter 7 protein |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The membrane-associated protein encoded by ABCB7 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). ATP binding cassette subfamily B member 7 is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. ABCB7 encodes a half-transporter involved in the transport of heme from the mitochondria to the cytosol. With iron/sulfur cluster precursors as its substrates, this protein may play a role in metal homeostasis. Mutations in ABCB7 have been associated with mitochondrial iron accumulation and isodentic (X) (q13) and sideroblastic anemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for ABCB7.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

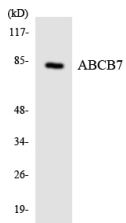
ELISA: 1: 40000

Not yet tested in other applications.

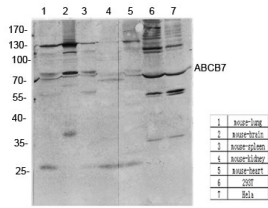
Images



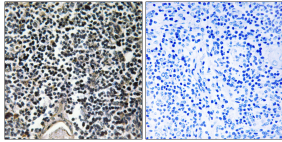
Western Blot analysis of various cells using ABCB7 Polyclonal Antibody diluted at 1:1000



Western blot analysis of the lysates from HUVEC cells using ABCB7 antibody.



Western Blot analysis of various cells using antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human thymus gland, using ABCB7 Antibody.

The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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