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ABCB5 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14504

Specification

ABCB5 Antibody - Product Information

Application	**IHC**
Primary Accession	Q2M3G0
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**139kDa KDa**

ABCB5 Antibody - Additional Information

Gene ID 340273

Other Names
ATP-binding cassette sub-family B member 5, ABCB5 P-gp, P-glycoprotein ABCB5, ABCB5

Target/Specificity
This Polyclonal antibody is directed against human ABCB5 protein. The product was purified from serum by protein A chromatography. Expect reactivity with human ABCB5. Cross-reactivity with ABCB5 from other sources has not been determined.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
ABCB5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ABCB5 Antibody - Protein Information

Name ABCB5 (HGNC:46)

Function
Energy-dependent efflux transporter responsible for decreased drug accumulation in multidrug-resistant cells (PubMed:12960149, PubMed:22306008, PubMed:15899824, PubMed:15205344). Specifically present in limbal stem cells, where it plays a key role in corneal development and repair (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441, ECO:0000269|PubMed:12960149}

Tissue Location
Expressed by CD133-expressing progenitor cells among epidermal melanocytes (at protein level). Widely expressed with specific expression in pigment cells. Highly expressed in several malignant tissues: highly expressed in clinical melanomas, with low expression in normal skin. In melanoma, marks malignant melanoma- initiating cells (MMIC), in which clinical virulence resides as a consequence of unlimited self-renewal capacity, resulting in inexorable tumor progression and metastasis. Also highly expressed in a number of leukemia cells. Expressed in basal limbal epithelium

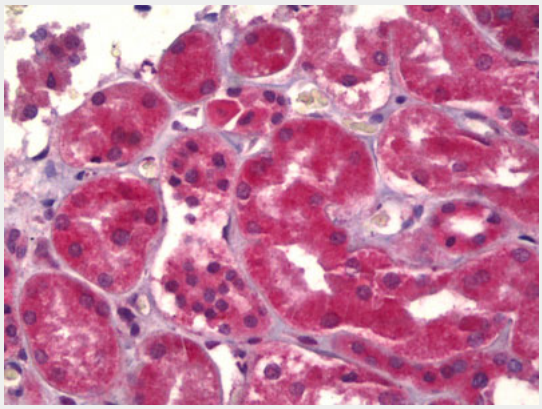
Volume
50 µl

ABCB5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ABCB5 Antibody - Images



Anti-ABCB5 antibody IHC of human kidney.

ABCB5 Antibody - Background

Drug efflux transporter present in a number of stem cells that acts as a regulator of cellular differentiation. Able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Specifically present in limbal stem cells, where it plays a key role in corneal development and repair.

ABCB5 Antibody - References

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Wilson B.J.,et al.Cancer Res. 71:5307-5316(2011).

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