SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ABCB5 antibody

Catalog Number: SL1604R

FOR RESEARCH USE ONLY

[DATASHEET]

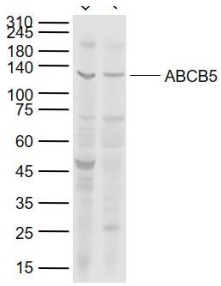
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ABCB5
Immunogen:	KLH conjugated synthetic peptide derived from human ABCB5: 841-883/1257 <Cytoplasmic>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Horse)
Predicted MW.:	89/138kDa
Subcellular Location:	The cell membrane
Background:	ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).[supplied by OMIM, Mar 2008] **Function:** Plasma membrane transporter able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Responsible for the resistance to doxorubicin of a subset of malignant melanomas. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Expressed by CD133-expressing progenitor cells among epidermal melanocytes (at protein level). Widely expressed with specific expression in pigment cells. Also expressed in several malignant tissues. **Similarity:** Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Contains 1 ABC transmembrane type-1 domain. Contains 2 ABC transporter domains. **Database links:** **Entrez Gene:** 340273 Human Omim: 611785 Human **SwissProt:** Q2M3G0 Human **Unigene:** 404102 Human

[VALIDATION IMAGES]



Sample:
Lane 1: Mouse B16 cell lysates
Lane 2: Mouse Testis tissue lysates
Primary: Anti-ABCB5 (SL1604R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 89/138 kD
Observed band size: 125 kD

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