

Mouse Anti-ABCB5 antibody

SLM-33080M

Product Name	ABCB5
Chinese Name	ATPBinding protein 家族 5 单克隆抗体
Alias	ATP-binding cassette sub-family B member 5; ABCB 5; ABCB5alpha; ABCB5beta; ATP binding cassette sub family B (MDR/TAP) member 5; ATP binding cassette sub family B member 5; EST422562; P glycoprotein ABCB5; ABCB5_HUMAN.
Research Area	Tumour Signal transduction Channel protein glycoprotein
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	11B4
React Species	Human WB=1:500-1000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	89kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ABCB5
Lsotype	IgG
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

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.

Product Detail

Similarity:

Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily.
Contains 1 ABC transmembrane type-1 domain.
Contains 2 ABC transporter domains.

SWISS:

Q2M3G0

Gene ID:

340273

Database links:

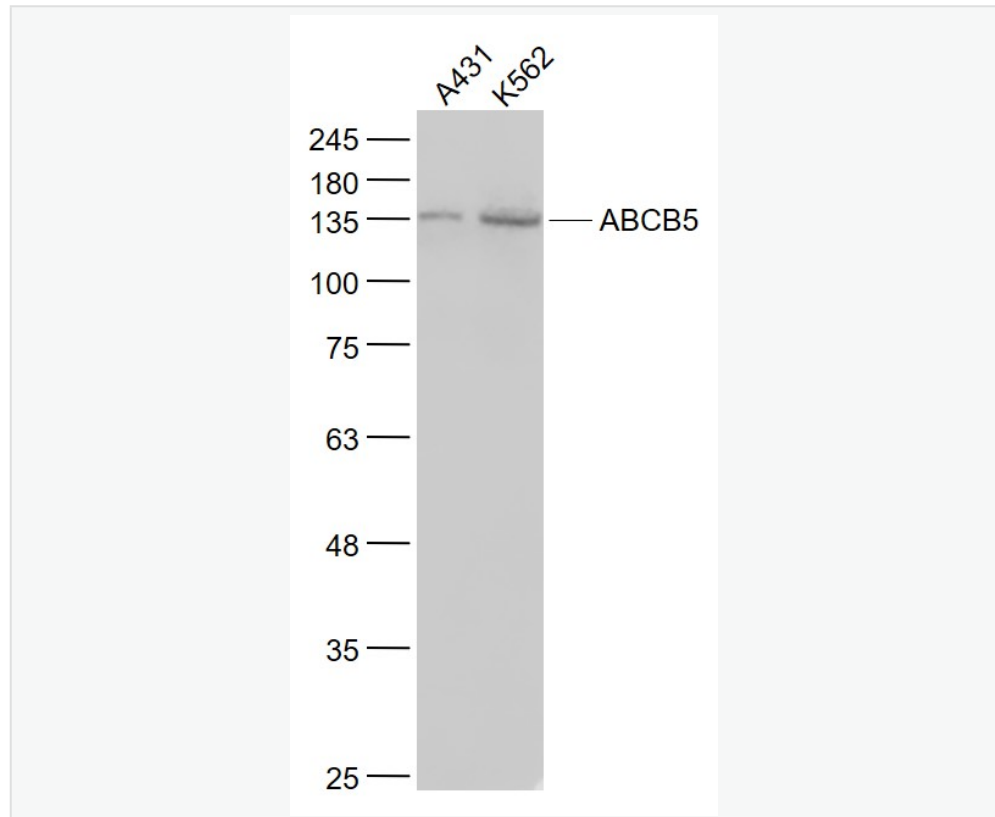
[Entrez Gene: 340273](#) Human

[Omim: 611785](#) Human

[SwissProt: Q2M3G0](#) Human

[Unigene: 404102](#) Human

Product Picture



Sample:

A431(Human) Cell Lysate at 30 ug

K562(Human) Cell Lysate at 30 ug

Primary: Anti- ABCB5 (SLM-33080M) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 89 kD

Observed band size: 135 kD