

Datasheet for ABIN670161

anti-ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B) (AA 21-100) antibody



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Overview

Quantity:	100 µL
Target:	ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B)
Binding Specificity:	AA 21-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse MDR1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B)
Alternative Name:	MDR1 (ABCB1B Products)

Target Details

Background:	Synonyms: Pgp, P-gp, Evi32, Mdr1a, Multidrug resistance protein 1A, ATP-binding cassette sub-family B member 1A, Abcb1a Background: Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.
Gene ID:	18671
UniProt:	P21447

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Wei, Liang, Junsong, Rui, Shuai, Guanglin, Shicai, Zexing, Jin, Xiangming, Shufeng: "The impact
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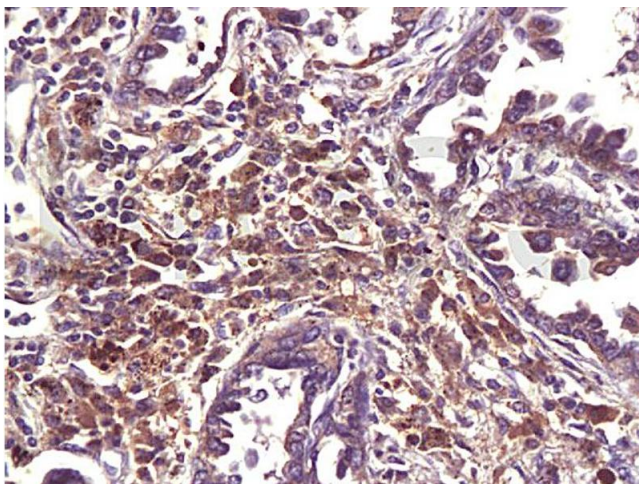
of insulin on chemotherapeutic sensitivity to 5-fluorouracil in gastric cancer cell lines SGC7901, MKN45 and MKN28." in: **Journal of experimental & clinical cancer research : CR**, Vol. 34, pp. 64, (2016) ([PubMed](#)).

Sun, Jiao, Chen, Liu, Zhao: "MicroRNA-186 induces sensitivity of ovarian cancer cells to paclitaxel and cisplatin by targeting ABCB1." in: **Journal of ovarian research**, Vol. 8, pp. 80, (2016) ([PubMed](#)).

Peng, Feng, Yuan, Benhabbour, Mumper: "Development of a novel orthotopic non-small cell lung cancer model and therapeutic benefit of 2'-(2-bromohexadecanoyl)-docetaxel conjugate nanoparticles." in: **Nanomedicine : nanotechnology, biology, and medicine**, Vol. 10, Issue 7, pp. 1497-506, (2014) ([PubMed](#)).

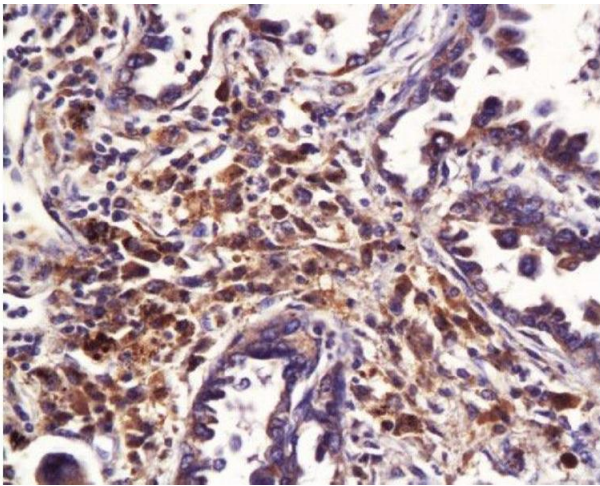
Hu, Peng, Li: "The expression and significance of P-glycoprotein, lung resistance protein and multidrug resistance-associated protein in gastric cancer." in: **Journal of experimental & clinical cancer research : CR**, Vol. 28, pp. 144, (2009) ([PubMed](#)).

Images



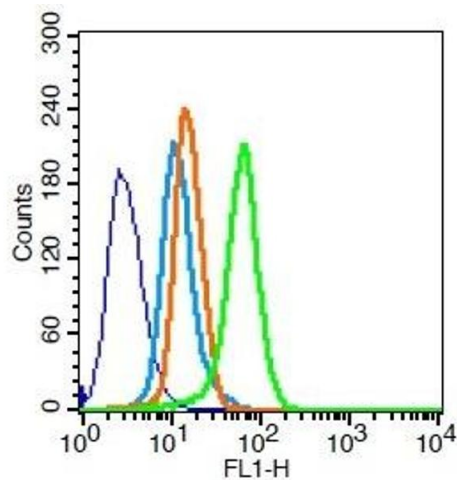
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-MDR1/p-GP/CD243 Polyclonal Antibody (ABIN670161), Unconjugated 1:200 at 1:200, followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-MDR1/p-GP/CD243 Polyclonal Antibody , Unconjugated 1:200 at 1:200, followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 3. Hela cells probed with MDR1 Polyclonal Antibody, Unconjugated for 30 minutes followed by incubation with a conjugated secondary (FITC) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN670161.