

# Product Datasheet

## ABCB5 Antibody NB100-93365

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-93365**

ABCB5 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	90 kDa

Product Description	
Host	Goat
Gene ID	340273
Gene Symbol	ABCB5
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_848654.3; NP_001157413.1)
Immunogen	Peptide with sequence C-QTQHRNTSKKAQ corresponding to internal region according to NP_848654.3, NP_001157413.1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/ml, Flow Cytometry 10 ug, Peptide ELISA Detection limit 1:32000
Application Notes	FLOW successful usage on Hep3B cells is reported in scientific literature (PMID: 20682318) and tested in HepG2 Cells WB: Approx. 80 kDa band observed in lysates of A431(calculated MW of 89.8 kDa band according to NP_848654.3). Primary incubation was 1 hour.

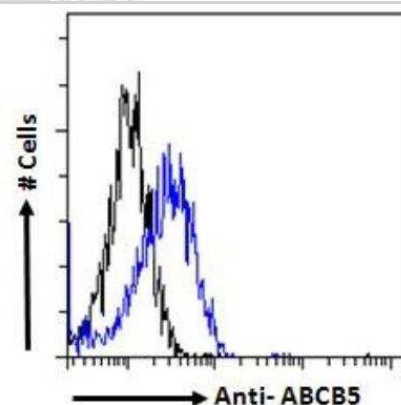


## Images

Western Blot: ABCB5 Antibody [NB100-93365] - (0.3ug/ml) staining of lysates of cell line A431 (35ug protein in RIPA buffer). Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa

Flow Cytometry: ABCB5 Antibody [NB100-93365] - analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



## Publications

Frank NY, Margaryan A, Huang Y et al. ABCB5-mediated doxorubicin transport and chemoresistance in human malignant melanoma. Cancer Res 2005-05-15 [PMID: 15899824]

Cheung ST, Cheung PF, Cheng CK et al. Granulin-epithelin precursor and ATP-dependent binding cassette (ABC)B5 regulate liver cancer cell chemoresistance. Gastroenterology 2011-01-01 [PMID: 20682318]



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### **Products Related to NB100-93365**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-77689PEP	ABCB5 Antibody Blocking Peptide

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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