

Product Datasheet

MDR1/ABCB1 Antibody - BSA Free NB100-80870

Unit Size: 0.05 mg

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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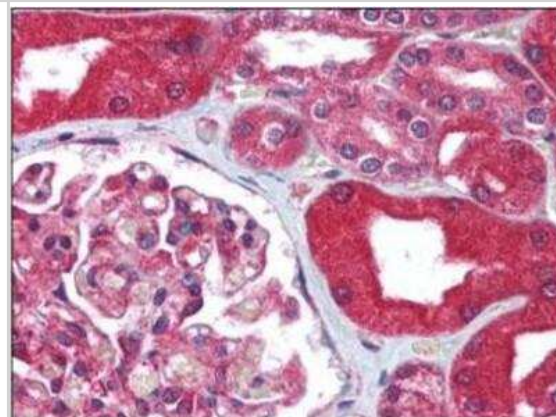
NB100-80870

MDR1/ABCB1 Antibody - BSA Free

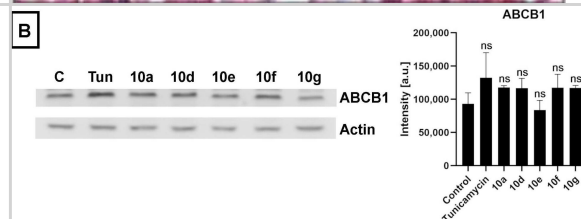
Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	20mM Potassium Phosphate (pH 7.2) and 0.15M NaCl
Product Description	
Description	Novus Biologicals Rabbit MDR1/ABCB1 Antibody - BSA Free (NB100-80870) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-MDR1/ABCB1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5243
Gene Symbol	ABCB1
Species	Human, Mouse, Rat, Canine, Monkey
Immunogen	Synthetic peptide from human MDR1/ABCB1.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:200 - 1:2000, ELISA 1:10000 - 1:50000, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	IHC: NB100-80870 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity..

Images

Immunohistochemistry-Paraffin: MDR1/ABCB1 Antibody [NB100-80870]
- Staining of human kidney tissue after heat-induced antigen retrieval.
Antibody concentration 5 ug/ml.



Acetylated androstano-arylpyrimidines do not suppress the efflux activity of multidrug-resistant cells by attenuating the expression of ABC transporters. (A) Relative mRNA levels of selected ABC transporters in Colo 320 cells treated with acetylated androstano-arylpyrimidines 10a, 10d, 10e, 10f, and 10g (in 20 μ M concentration for 24 h) determined by RT-qPCR measurements and subsequent analyses by the $\Delta\Delta$ Ct method using GAPDH as the reference gene. For primer sequences and concentrations, please refer to Supplementary Material Table S3. (B) Representative Western blot images and densitometric analysis of ABCB1 protein levels in Colo 320 cells following exposure to androstano-arylpyrimidine acetates (treatment with steroid compounds at 20 μ M for 24 h) or Tunicamycin (600 nM, 24 h). The equal loading of protein samples was verified by probing the membrane with an anti-actin antibody. C = Control, Tun = Tunicamycin. In both panels, bar graphs represent mean \pm SD values. Fisher's LSD test, *: $p < 0.05$, **: $p < 0.01$, ***: $p < 0.001$, ****: $p < 0.0001$ ns: non-significant. Image collected and cropped by CiteAb from the following open publication (<https://www.mdpi.com/1999-4923/15/2/584>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Park SJ, Yoo HC, Ahn E, Luo E et al. Enhanced Glutaminolysis Drives Hypoxia-Induced Chemoresistance in Pancreatic Cancer *Cancer Res* 2023-01-03 [PMID: 36594876]

Nagy FI, Adamecz DI, Baji \square et al. Semi-Synthetic Dihydrotestosterone Derivatives Modulate Inherent Multidrug Resistance and Sensitize Colon Cancer Cells to Chemotherapy Pharmaceuticals 2023-02-09 [PMID: 36839907] (WB, Human)

Pons V, LEvesque P, Plande M, Rivest S Conditional Genetic Deletion of CSF1 Receptor in Microglia Ameliorates the Physiopathology of Alzheimer's Disease *Alzheimers Res Ther* 2021-01-06 [PMID: 33402196]

Huang X, Zhuang J, Chung SW et al. Hypoxia-Tropic Protein Nanocages for Modulation of Tumor- and Chemotherapy-Associated Hypoxia. *ACS Nano* 2018-12-21 [PMID: 30576113] (WB, Mouse)



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Products Related to NB100-80870

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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