

# Product Datasheet

## MDR1/ABCB1 Antibody (OT1A7) NBP2-46466

Unit Size: 0.1 ml

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

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### Publications: 2

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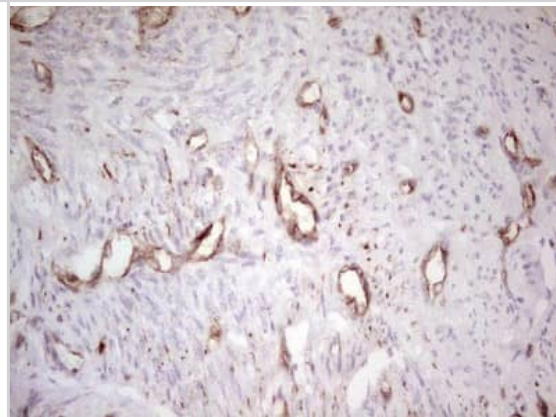


**NBP2-46466****MDR1/ABCB1 Antibody (OTI1A7)**

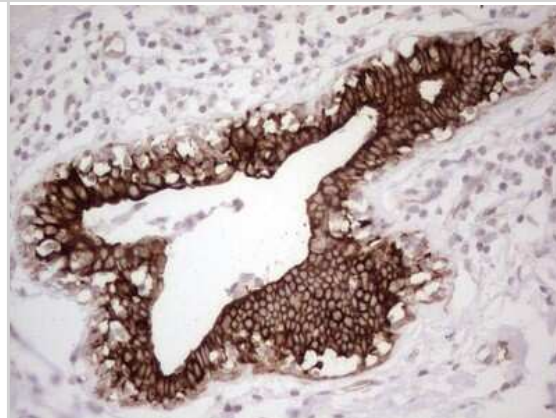
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI1A7
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse MDR1/ABCB1 Antibody (OTI1A7) (NBP2-46466) is a monoclonal antibody validated for use in IHC and ICC/IF. Anti-MDR1/ABCB1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5243
<b>Gene Symbol</b>	ABCB1
<b>Species</b>	Human, Mouse, Rat, Goat
<b>Reactivity Notes</b>	Goat reactivity reported in scientific literature (Agarwal T et al). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Human recombinant protein fragment corresponding to amino acids 995-1280 of human ABCB1 (NP_000918) produced in SF9 cell.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 30179804), Immunohistochemistry-Paraffin 1:150

**Images**

Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Adenocarcinoma of Human endometrium tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



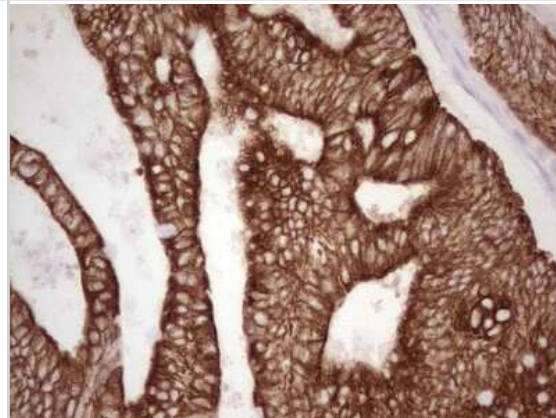
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Adenocarcinoma of Human breast tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



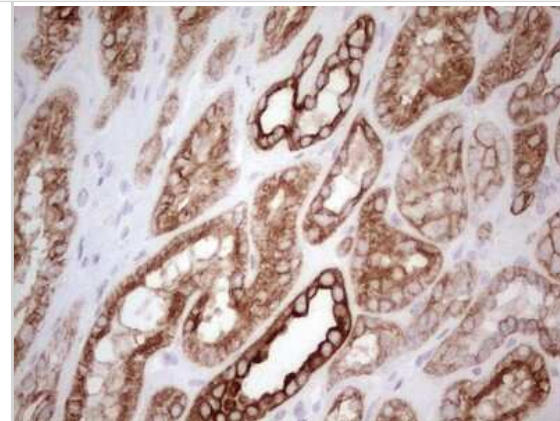
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human colon tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



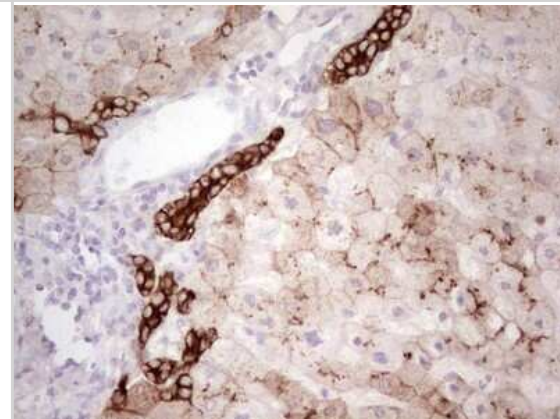
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Adenocarcinoma of Human colon tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



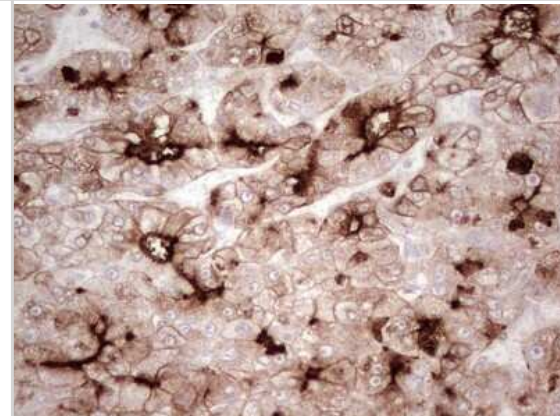
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human Kidney tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



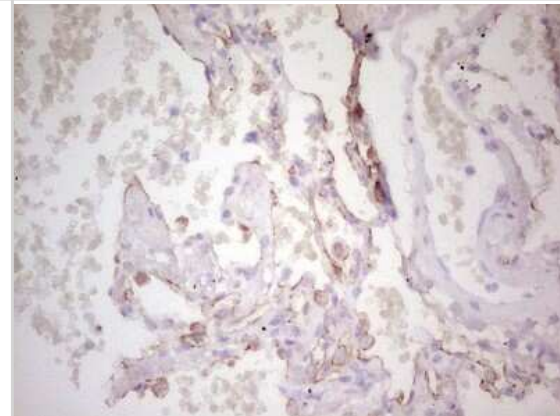
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human liver tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



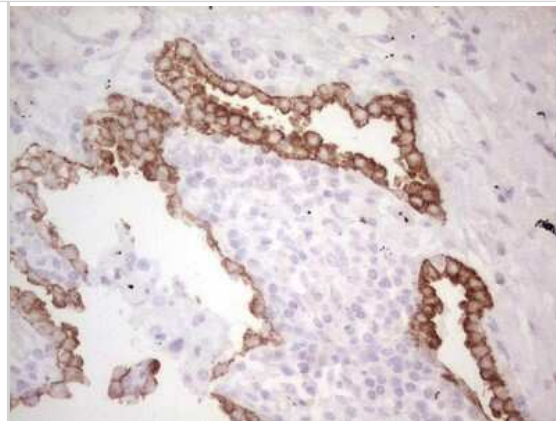
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Carcinoma of Human liver tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



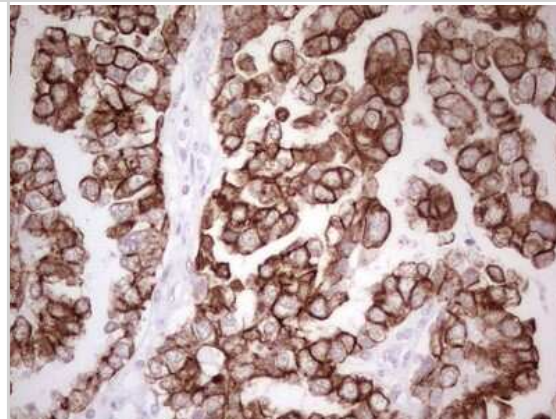
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human lung tissue within the normal limits using ABCB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



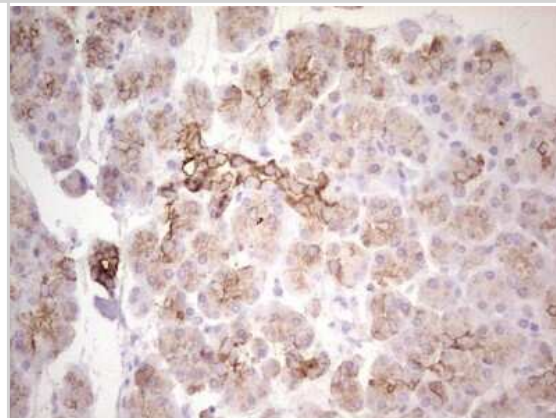
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Carcinoma of Human lung tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



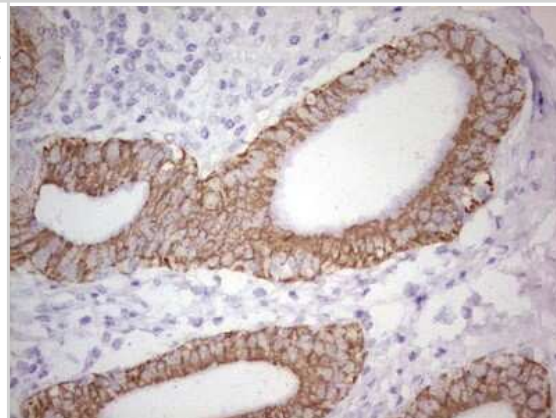
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Adenocarcinoma of Human ovary tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



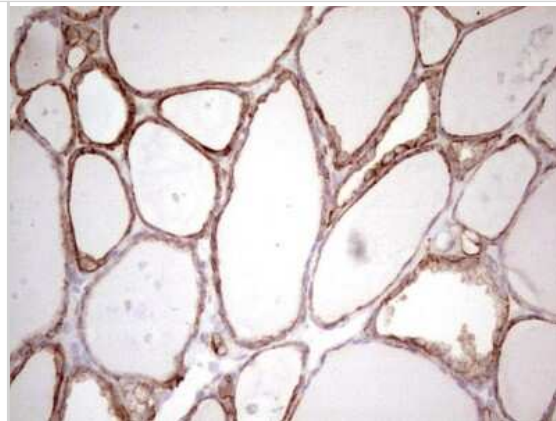
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human pancreas tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



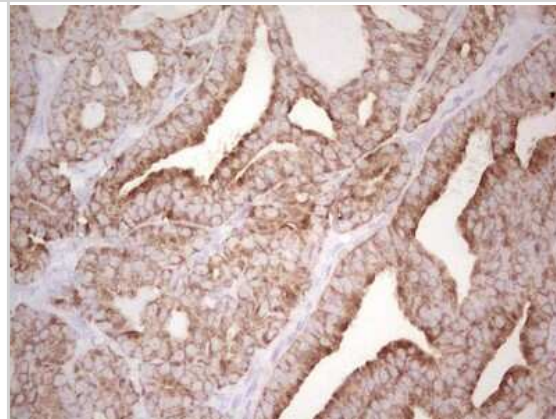
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Carcinoma of Human pancreas tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



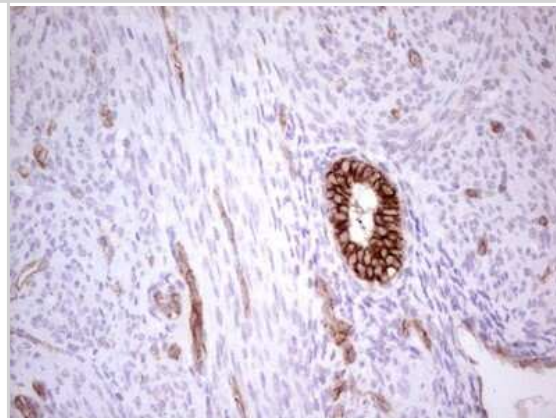
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human thyroid tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



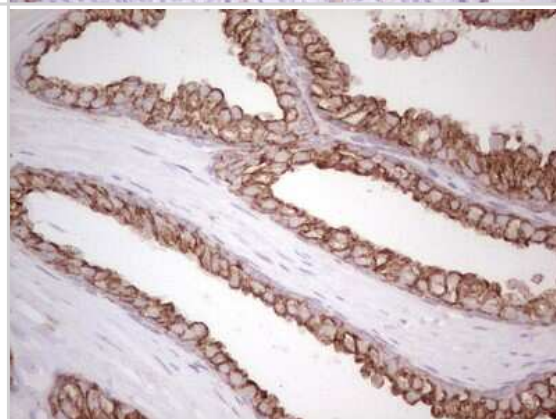
Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Carcinoma of Human thyroid tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human endometrium tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



Immunohistochemistry: MDR1/ABCB1 Antibody (1A7) [NBP2-46466] - Analysis of Human prostate tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



## Publications

Agarwal T, Maiti T, Ghosh S. Decellularized caprine liver-derived biomimetic and pro-angiogenic scaffolds for liver tissue engineering Mater Sci Eng C Mater Biol Appl 2019-03-01 [PMID: 30813101]

Agarwal T, Rustagi A, Das J, Maiti TK. PAMAM dendrimer grafted cellulose paper scaffolds as a novel in vitro 3D liver model for drug screening applications. Colloids Surf B Biointerfaces 2018-08-29 [PMID: 30179804] (ICC, Human)



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### **Products Related to NBP2-46466**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
H00005243-Q01-10ug	Recombinant Human MDR1/ABCB1 GST (N-Term) Protein

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### **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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