

Datasheet for ABIN3043734
anti-ABCB4 antibody (AA 601-720)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	ABCB4
Binding Specificity:	AA 601-720
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Phosphatidylcholine translocator ABCB4(ABCB4) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human ABCB4 recombinant protein (Position: A601-A720). Human ABCB4 shares 79% amino acid (aa) sequence identity with both mouse and rat ABCB4.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Phosphatidylcholine translocator ABCB4(ABCB4) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: ATP-binding cassette, sub-family B (MDR/TAP), member 4 Protein Name: Phosphatidylcholine translocator ABCB4
Purification:	Immunogen affinity purified.

Target Details

Target:	ABCB4
Alternative Name:	ABCB4 (ABCB4 Products)
Background:	<p>Adenosine triphosphate-binding cassette subfamily B, member 4 (ABCB4), also called MDR3, is a protein that in humans is encoded by the ABCB4 gene. The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. The ABCB4 gene contains 28 exons and 27 of these contain coding sequences for the two homologous halves of the protein that correlate with functional domains. ABCB4 gene mutations represent a genetic factor involved in this peculiar form of cholesterol gallstone disease in adults.</p> <p>Synonyms: ABC 21 antibody ABC B4 antibody ABC21 antibody ABCB 4 antibody Abcb4 antibody ABCB4 protein antibody ATP binding cassette sub family B MDR/TAP member 4 antibody ATP binding cassette sub family B member 4 antibody ATP-binding cassette sub-family B member 4 antibody MDR 3 antibody MDR2 antibody MDR2/3 antibody MDR3 antibody MDR3 P glycoprotein antibody MDR3 P gp antibody MDR3_HUMAN antibody Multidrug resistance protein 3 antibody Multiple drug resistance 3 antibody P glycoprotein 3 antibody P-glycoprotein 3 antibody PFIC 3 antibody PFIC3 antibody PGY 3 antibody PGY3 antibody</p>
Gene ID:	5244
UniProt:	P21439
Pathways:	Regulation of Lipid Metabolism by PPARalpha

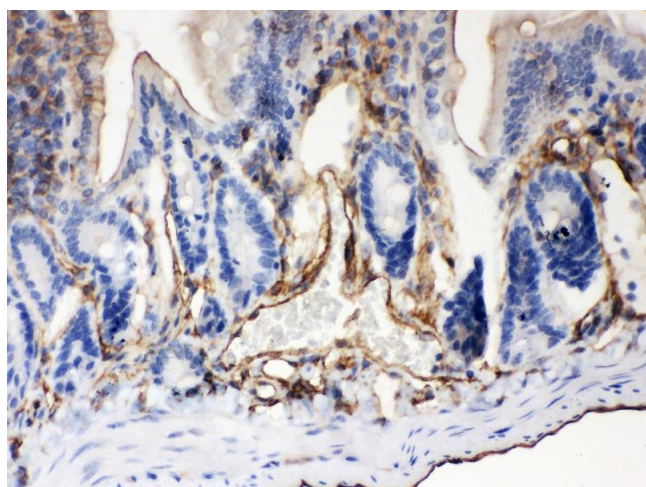
Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for ABCB4 is approximately 0.1 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

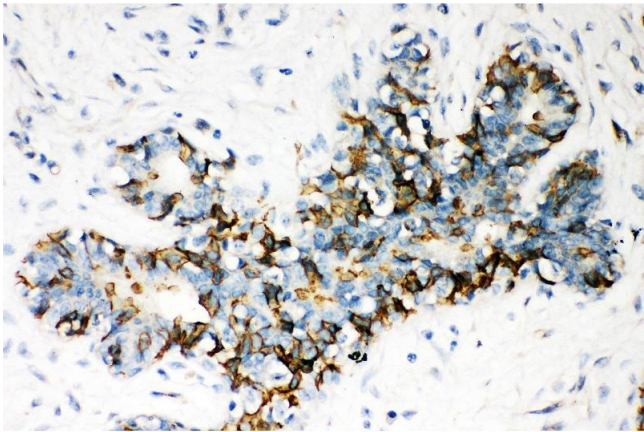
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300031 for Immunohistochemistry (IHC)



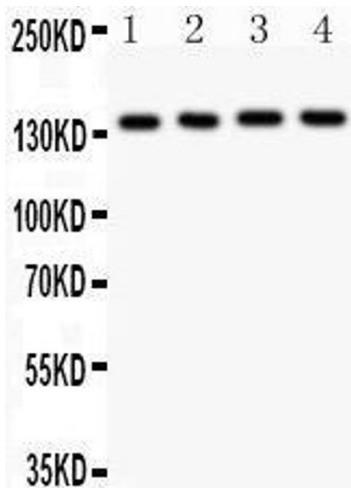
Immunohistochemistry

Image 1. Anti- ABCB4 Picoband antibody, IHC(P) IHC(P):
Mouse Intestine Tissue



Immunohistochemistry

Image 2. Anti- ABCB4 Picoband antibody, IHC(P) IHC(P):
Human Mammary Cancer Tissue



Western Blotting

Image 3. Anti- ABCB4 Picoband antibody, Western blotting
All lanes: Anti ABCB4 at 0.5ug/ml Lane 1: MCF-7 Whole Cell
Lysate at 40ug Lane 2: SW620 Whole Cell Lysate at 40ug
Lane 3: 22RV1 Whole Cell Lysate at 40ug Lane 4: SKOV
Whole Cell Lysate at 40ug Predicted bind size: 142KD
Observed bind size: 142KD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043734.