Datasheet for ABIN7189591

anti-ABCC5 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	ABCC5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCC5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of Human ABCC5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen affinity purification

Target Details

Target:	ABCC5
Alternative Name:	ABCC5 (ABCC5 Products)
Background:	Background: The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is

Target Details

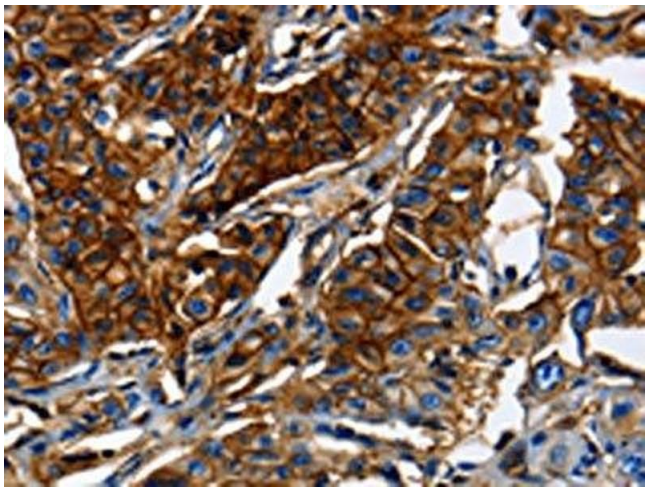
	involved in multi-drug resistance. This protein functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-mercatopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)adenine. This protein may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing of this gene has been detected, however, the complete sequence and translation initiation site is unclear. Aliases: ABC 33 antibody, ABC33 antibody, ABCC 5 antibody, Abcc5 antibody, ATP binding cassette sub family C (CFTR/MRP) member 5 antibody, ATP binding cassette sub family C member 5 antibody, ATP-binding cassette sub-family C member 5 antibody, Canalicular multispecific organic anion transporter C antibody, DKFZp686C1782 antibody, EST277145 antibody, MOAT C antibody, MOAT-C antibody, MOATC antibody, MRP 5 antibody, MRP5_HUMAN antibody, Multi specific organic anion tranporter C antibody, Multi-specific organic anion transporter C antibody, Multidrug resistance associated protein 5 antibody, Multidrug resistance-associated protein 5 antibody, pABC 11 antibody, pABC11 antibody, SMRP antibody
UniProt:	O15440
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	ELISA:1:2000-1:10000, WB:1:1000-1:5000, IHC:1:50-1:200,
Restrictions:	For Research Use only

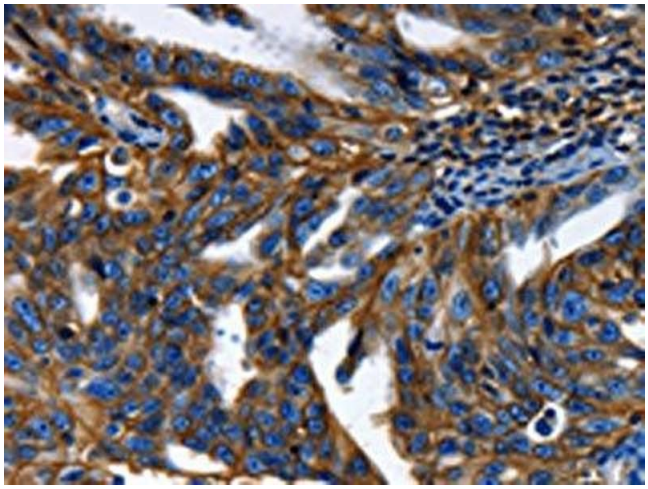
Handling

Format:	Liquid
Buffer:	-20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



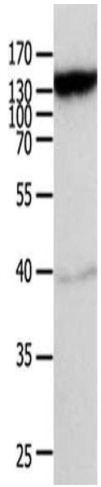
Immunohistochemistry

Image 1. The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ABIN7189591(ABCC5 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: X200)



Immunohistochemistry

Image 2. The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ABIN7189591(ABCC5 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: X200)



Western Blotting

Image 3. Gel: 10 % SDS-PAGE, Lysate: 40 µg, Lane: Mouse heart tissue, Primary antibody: ABIN7189591(ABCC5 Antibody) at dilution 1/950, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 minutes

