Datasheet for ABIN7178642

anti-ABCC4 antibody

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Overview

Quantity:	100 µL
Target:	ABCC4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of Human ABCC4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity purification

Target Details

Target:	ABCC4
Alternative Name:	ABCC4 (ABCC4 Products)
Background:	Background: ABCC4 is a member of the ATP-binding Cassette (ABC) transporter family. ABC proteins transport various molecules across cellular membranes by utilizing the energy generated from ATP hydrolysis. There are seven subfamilies of ABC proteins: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White. ABCC4 belongs to the MRP subfamily, which is involved in

Target Details

	multi-drug resistance, hence it is also named MRP4. ABCC4 is widely expressed in cells and tissues including prostate, kidney proximal tubules, astrocytes and capillary endothelial cells of the brain, platelets, and many cancer cell lines. ABCC4 mediates efflux transport of a wide variety of endogenous and xenobiotic organic anionic compounds. The diversity of substrates determines the biological functions of ABCC4. It regulates cAMP levels in human leukemia cells, thereby controlling the proliferation and differentiation of leukemia cells. ABCC4 also enables COX deficient pancreatic cancer cells to obtain exogenous prostagladins. Researchers have shown that ABCC4 expression is elevated in drug resistant cancer cells, which makes it a potential target for cancer therapy . ABCC4 localizes to both plasma membrane and intracellular membranous structures. Investigators have also implicated ABCC4 in the pathogenesis of Kawasaki desease, a genetic childhood disease characterized by vasculitis. Aliases: ABCC 4 antibody, ABCC4 antibody, ATP binding cassette sub family C (CFTR/MRP) member 4 antibody, ATP binding cassette sub family C member 4 antibody, ATP-binding cassette sub-family C member 4 antibody, bA464I2.1 (ATP binding cassette, sub-family C (CFTR/MRP) member 4) antibody, bA464I2.1 antibody, Canalicular multispecific organic anion transporter antibody, Canalicular multispecific organic anion transporter ABC superfamily antibody, EST170205 antibody, MOAT B antibody, MOAT-B antibody, MOATB antibody, MRP 4 antibody, MRP/cMOAT related ABC transporter antibody, MRP/cMOAT-related ABC transporter antibody, MRP4_HUMAN antibody, Multi specific organic anion transporter B antibody, Multi-specific organic anion transporter B antibody, Multidrug resistance associated protein 4 antibody, Multidrug resistance-associated protein 4 antibody, OTTHUMP00000018560 antibody
UniProt:	O15439

Application Details

Application Notes:	WB:1:500-1:2000, IHC:1:50-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Store at -20 °C or -80 °C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	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.