

Datasheet for ABIN3043774
anti-ABCC4 antibody (AA 1-370)



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4 Images

Overview

Quantity:	100 µg
Target:	ABCC4
Binding Specificity:	AA 1-370
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Multidrug resistance-associated protein 4(ABCC4) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human MRP4 recombinant protein (Position: M1-P370).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Multidrug resistance-associated protein 4(ABCC4) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 4 Protein Name: Multidrug resistance-associated protein 4
Purification:	Immunogen affinity purified.

Target Details

Target:	ABCC4
Alternative Name:	ABCC4 (ABCC4 Products)
Background:	<p>ABCC4(ATp-binding cassette, subfamily c, member 4) also known as MRP4 or MOATB, is a protein that in humans is encoded by the ABCC4 gene. It belongs to a large family of transmembrane proteins involved in active transport of substrates out of cells. This gene is mapped to chromosome 13q32. ABCC4 acts as an independent regulator of intracellular cyclic nucleotide levels and as a mediator of cAMP-dependent signal transduction to the nucleus. The antiproliferative effect of ABCC4 inhibition was related to cAMP-dependent PKA activation and CREB phosphorylation. Pharmacologic inhibition of ABCC4 activity or knockdown of ABCC4 via RNA interference resulted in reduced migration of DCs from human skin explants and of in vitro-generated Langerhans cells. It has been found that ABCC4 contributes to migration of DCs toward draining lymph nodes and therefore has a role in the initiation of an immune response.</p> <p>Synonyms: 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 ABC superfamily antibody canalicular multispecific organic anion transporter 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</p>
Gene ID:	10257
UniProt:	O15439

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for MRP4 is approximately 0.25 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.</p> <p>Optimal dilutions should be determined by end users.</p>
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Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

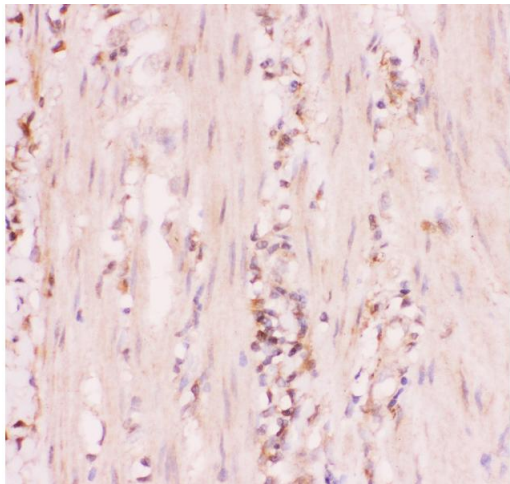
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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.

Images



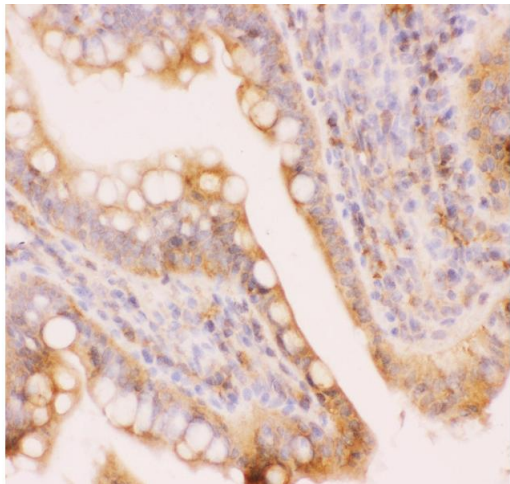
Western Blotting

Image 1. Anti-MRP4 Picoband antibody, All lanes: Anti MRP4 at 0.5ug/ml WB: Recombinant Human MRP4 Protein 0.5ng Predicted bind size: 47KD Observed bind size: 47KD



Immunohistochemistry

Image 2. Anti-MRP4 Picoband antibody, IHC(P): Human Intestinal Cancer Tissue



Immunohistochemistry

Image 3. Anti-MRP4 Picoband antibody, IHC(P): Rat Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043774.