

Datasheet for ABIN3044230
anti-ABCC1 antibody (C-Term)[2 Images](#)[6 Publications](#)[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | ABCC1 |
| Binding Specificity: | AA 1514-1531, C-Term |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------------|--|
| Purpose: | Rabbit IgG polyclonal antibody for Multidrug resistance-associated protein 1(ABCC1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human MRP1(1514-1531aa, LLQQRGLFYsMAKDAGLV), different from the related rat and mouse sequences by one amino acid. |
| Sequence: | LLQQRGLFYs MAKDAGLV |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities. |
| Characteristics: | Rabbit IgG polyclonal antibody for Multidrug resistance-associated protein 1(ABCC1) detection. |

Product Details

Tested with WB, IHC-P in Human, Mouse, Rat.

Gene Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 1

Protein Name: Multidrug resistance-associated protein 1

Purification: Immunogen affinity purified.

Target Details

Target: ABCC1

Alternative Name: ABCC1 ([ABCC1 Products](#))

Background: Multidrug resistance-associated protein 1 (MRP1) is a protein that in humans is encoded by the ABCC1 gene. 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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternatively spliced variants of this gene have been described but their full-length nature is unknown.

Synonyms: ABC 29 antibody|ABC29 antibody|ABCC 1 antibody|ABCC antibody|ABCC1 antibody|ATP binding cassette sub family C (CFTR/MRP) member 1 antibody|ATP binding cassette sub-family C member 1 antibody|ATP-binding cassette sub-family C member 1 antibody|DKFZp686N04233 antibody|DKFZp781G125 antibody|GS X antibody|GSX antibody|Leukotriene C(4) transporter antibody|LTC4 transporter antibody|MRP 1 antibody|MRP antibody|MRP1_HUMAN antibody|Multidrug resistance associated protein 1 antibody|Multidrug resistance protein antibody|Multidrug resistance-associated protein 1 antibody|Multiple drug resistance associated protein antibody|Multiple drug resistance protein 1 antibody

UniProt: [P33527](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat,

Application Details

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.

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Optimal dilutions should be determined by end users.

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 Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES 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.

Expiry Date: 12 months

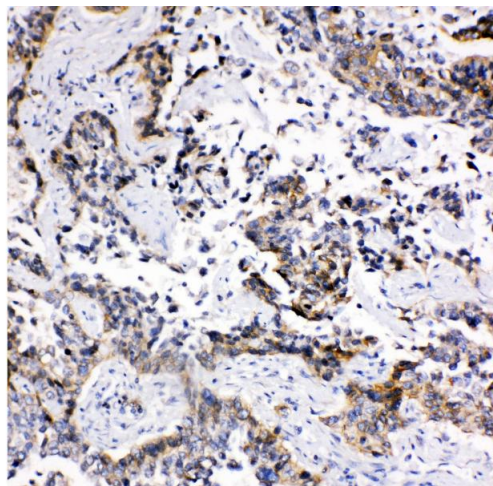
Publications

Product cited in: Lang, Schulte, Goddard, Hedrick, Schulte, Wei, Schmiedt: "Transplantation of mouse embryonic stem cells into the cochlea of an auditory-neuropathy animal model: effects of timing after injury." in: **Journal of the Association for Research in Otolaryngology : JARO**, Vol. 9, Issue 2, pp. 225-40, (2008) ([PubMed](#)).

Lang, Ebihara, Schmiedt, Minamiguchi, Zhou, Smythe, Liu, Ogawa, Schulte: "Contribution of bone marrow hematopoietic stem cells to adult mouse inner ear: mesenchymal cells and fibrocytes." in: **The Journal of comparative neurology**, Vol. 496, Issue 2, pp. 187-201, (2006) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Validation report #300029 for Immunohistochemistry (IHC)



Immunohistochemistry

Image 1. Anti-MRP1 antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2. Anti-MRP1 antibody, Western blotting Lane 1: JURKAT Cell Lysate Lane 2: CEM Cell Lysate Lane 3: A549 Cell Lysate