

Anti-MRP1/ABCC1 Antibody

Catalog Number: PA1634

About ABCC1

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.

Overview

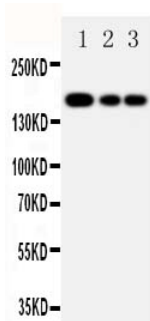
Product Name	Anti-MRP1/ABCC1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MRP1/ABCC1 Antibody catalog # PA1634. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P33527

Technical Details

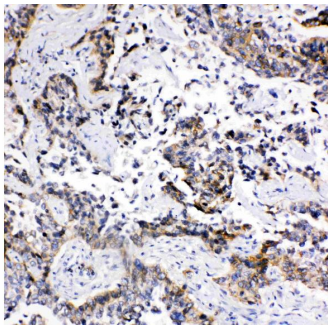
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MRP1, different from the related rat and mouse sequences by one amino acid.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-MRP1/ABCC1 Antibody (PA1634) Images



Anti-MRP1 antibody, PA1634, Western blotting
Lane 1: JURKAT Cell Lysate
Lane 2: CEM Cell Lysate
Lane 3: A549 Cell Lysate



Anti-MRP1 antibody, PA1634, IHC(P)
IHC(P): Human Lung Cancer Tissue

6 Publications Citing This Product

1. PubMed ID: 26543365, Enhanced combination therapy effect on paclitaxel-resistant carcinoma by chloroquine co-delivery via liposomes
2. PubMed ID: 29217817, Acetazolamide Suppresses Multi-Drug Resistance-Related Protein 1 and P-Glycoprotein Expression by Inhibiting Aquaporins Expression in a Mesial Temporal Epilepsy Rat Model
3. PubMed ID: 24175763, Wang Nn, Zhao Lj, Wu Ln, He Mf, Qu Jw, Zhao Yb, Zhao Wz, Li Js, Wang Jh. Asian Pac J Cancer Prev. 2013;14(9):4983-8. Mechanistic Analysis Of Taxol-Induced Multidrug Resistance In An Ovarian Cancer Cell Line.

Visit bosterbio.com/anti-mrp1-antibody-pa1634-boster.html to see all 6 publications.

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