

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	Rabbit IgG polyclonal antibody for Multidrug resistance-associated protein 1 (ABCC1) detection. Tested with WB, IHC-P in 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	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.
Host	Rabbit
Uniprot ID	P33527

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human
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	MRP1(1514-1531aa, LLQQRGLFY SMAKDAGLV), 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	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5µg/ml, Human, Rat, Mouse For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-MRP1/ABCC1 Antibody (PA1634) Images

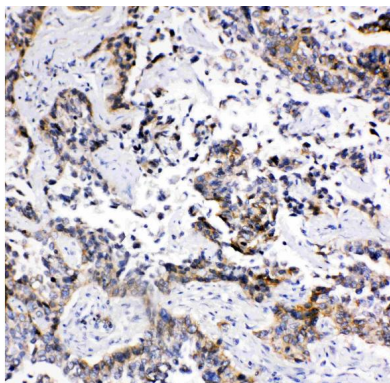


Anti-MRP1 antibody, PA1634, Western blotting

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

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