bs-24241R **[Primary Antibody]**

MRP1/ABCC1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4363 **SWISS:** P33527

Target: MRP1/ABCC1

Immunogen: KLH conjugated synthetic peptide derived from human MRP1/ABCC1: 1131-1230/1531. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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 glutatione, 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. [provided by RefSeq, Apr 2012]

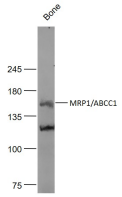
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Sheep, Cow, Chicken, Dog)

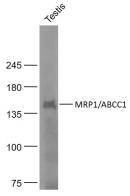
Predicted MW.: 170 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Bone (Mouse) Lysate at 40 ug Primary: Anti-MRP1/ABCC1 (bs-24241R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 170 kD Observed band size: 170 kD



Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti-MRP1/ABCC1 (bs-24241R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 170 kD Observed band size: 170 kD

SELECTED CITATIONS

- **[IF=7.3]** Jinhua Gu. et al. Deciphering the mechanism of Peptostreptococcus anaerobius-induced chemoresistance in colorectal cancer: the important roles of MDSC recruitment and EMT activation. FRONT IMMUNOL. 2023; 14: 1230681 WB ;Mouse. 37781363
- **[IF=5.923]** Susumu Ohya. et al. KCa1.1 K+ Channel Inhibition Overcomes Resistance to Antiandrogens and Doxorubicin in a Human Prostate Cancer LNCaP Spheroid Model. Int J Mol Sci. 2021 Jan;22(24):13553 WB ;Human. 34948357
- **[IF=4.546]** Huang, Wenjie. et al. The inhibitory effect and mechanism of Yi-qi-hua-yu-jie-du decoction on the drug resistance of gastric cancer stem cells based on ABC transporters. CHIN MED-UK. 2022 Dec;17(1):1-18 WB ;Human. 35941687

- **[IF=2.389]** Huang Weizhen. et al. LncRNA SNHG11 enhances bevacizumab resistance in colorectal cancer by mediating miR-1207-5p/ABCC1 axis. ANTI-CANCER DRUG. 2022 Jul;33(6):575-586 WB ;Human. 35324517
- **[IF=2.4]** Yang Du. et al. LncRNA HOTAIR regulates the expression of MRP1 gene through the mir-6807-5p/Egr1 axis to affect the multidrug resistance of lung cancer cells. GENE. 2025 Mar;940:149216 WB ;Human. 39756551