

**bs-0657R****[ Primary Antibody ]****MRP1/ABCC1 Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

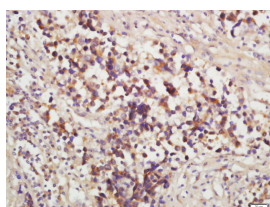
sales@bioss.com.cn

techsupport@bioss.com.cn

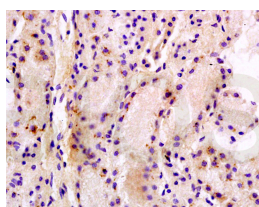
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 4363**SWISS:** P33527**Target:** MRP1/ABCC1**Immunogen:** KLH conjugated synthetic peptide derived from human MRP1: 501-600/1531. < 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.

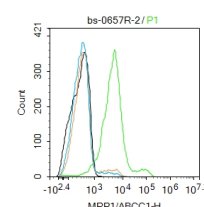
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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 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. [provided by RefSeq, Apr 2012]**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (2ug/test)**Reactivity:** Human, Rat  
(predicted: Mouse, Cow, Chicken)**Predicted MW.:** 170 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

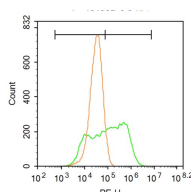
Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MRP1 Polyclonal Antibody, Unconjugated(bs-0657R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MRP1 Polyclonal Antibody, Unconjugated(bs-0657R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: K562. Primary Antibody (green line): Rabbit Anti-MRP1/ABCC1 antibody (bs-0657R) Dilution: 2ug/Test; Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: A549. Primary Antibody (green

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

line): Rabbit Anti-ABCC1 antibody (bs-0657R)  
Dilution: 3µg /10<sup>6</sup> cells; Isotype Control  
Antibody (orange line): Rabbit IgG . Secondary  
Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg  
/test. Protocol The cells were incubated in  
5%BSA to block non-specific protein-protein  
interactions for 30 min at room temperature  
.Cells stained with Primary Antibody for 30 min  
at room temperature. The secondary antibody  
used for 40 min at room temperature.  
Acquisition of 20,000 events was performed.

---

## — SELECTED CITATIONS —

- **[IF=6.93]** Peng, Lei, et al. "Development of a novel orthotopic non-small cell lung cancer model and therapeutic benefit of 2'-(2-bromohexadecanoyl)-docetaxel conjugate nanoparticles." *Nanomedicine: Nanotechnology, Biology and Medicine* (2014). IHC ;="Mouse". 24709328
- **[IF=5.988]** Zipeng Gong. et al. Pharmacokinetic Differences of Wuji Pill Components in Normal and Chronic Visceral Hypersensitivity Irritable Bowel Syndrome Rats Attributable to Changes in Tight Junction and Transporters. *FRONT PHARMACOL.* 2022; 13: 948678 IHC,IF ;Rat. 35873589
- **[IF=4.192]** Peng Yang. et al. Cucurbitacin E Chemosensitizes Colorectal Cancer Cells via Mitigating TFAP4/Wnt/β-Catenin Signaling. *J Agr Food Chem.* 2020;68(48):14148–14160 WB ;Human. 33205649
- **[IF=3.07]** Wen-Qing, Hu, Peng Chun-Wei, and Li Yan. "The expression and significance of P-glycoprotein, lung resistance protein and multidrug resistance-associated protein in gastric cancer." *Journal of Experimental & Clinical Cancer Research* 28 (2009). Other ;="Human". 19930704
- **[IF=3.33]** Chen et al. Timosaponin A-III reverses multi-drug resistance in human chronic myelogenous leukemia K562/ADM cells via downregulation of MDR1 and MRP1 expression by inhibiting PI3K/Akt signaling pathway. (2016) *Int.J.Oncol.* 48:2063-70 FCM,WB,Other ;Human. 26984633