

bs-1092R**[Primary Antibody]****MRP2/ABCC2 Rabbit pAb****BioSS**
ANTIBODIES

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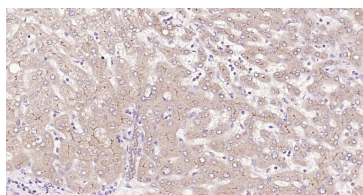
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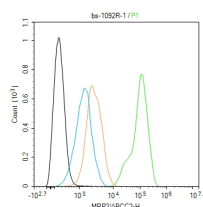
400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test)
Clonality: Polyclonal		
GeneID: 1244	SWISS: Q92887	
Target: MRP2/ABCC2		
Immunogen: KLH conjugated synthetic peptide derived from human MRP2: 485-615/1545. < Cytoplasmic >		
Purification: affinity purified by Protein A		Reactivity: Human
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.		Predicted MW.: 174 kDa
Background: multidrug resistance-associated protein 2 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 protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. Belongs to the ABC transporter family.		Subcellular Location: Cell membrane

VALIDATION IMAGES

Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MRP2/ABCC2 Polyclonal Antibody, Unconjugated (bs-1092R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



The A549 (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-MRP2/ABCC2 antibody (bs-1092R): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-60295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=17.694]** Tang Bo. et al. Gut microbiota alters host bile acid metabolism to contribute to intrahepatic cholestasis of pregnancy. NAT COMMUN. 2023 Mar;14(1):1-17 IHC ;Mouse. 36894566
- **[IF=12.2]** Dafu Tang. et al. Gut microbiota-mediated C-sulfonate metabolism impairs the bioavailability and anti-cholestatic efficacy of andrographolide. GUT MICROBES. 2024 九月 12 WB ;Mouse. 39264803
- **[IF=7.149]** Yuan P et al. WS2 Nanosheets at Noncytotoxic Concentrations Enhance the Cytotoxicity of Organic

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

- Pollutants by Disturbing the Plasma Membrane and Efflux Pumps. Environ Sci Technol. 2020 Feb 4;54(3):1698-1709. WB ;Mouse&Human. 31916439
- **[IF=6.7]** Na Han. et al. A discovery in traditional Chinese medicine compatibility: Cinnabaris suppresses the Strychni Semen-induced neurotoxicity in Shang-Ke-Jie-Gu tablet. PHYTOMEDICINE. 2024 Dec;135:156029 WB ;Rat. 39276686
 - **[IF=6.525]** Silvia Di Giacomo. et al. Sorafenib Chemosensitization by Caryophyllane Sesquiterpenes in Liver, Biliary, and Pancreatic Cancer Cells: The Role of STAT3/ABC Transporter Axis. PHARMACEUTICS. 2022 Jun;14(6):1264 IF ;Human. 35745837