

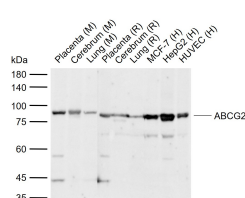
**bs-0662R****[ Primary Antibody ]****ABCG2 Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

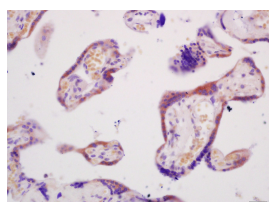
sales@bioss.com.cn

techsupport@bioss.com.cn

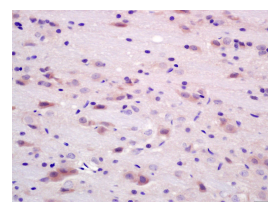
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 9429**SWISS:** Q9UNQ0**Target:** ABCG2**Immunogen:** KLH conjugated synthetic peptide derived from human ABCG2: 261-360/655. < 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:** An ABC transporter. Allows efflux of Hoechst dye, a property that has been used to separate bone marrow side population cells, which express BCRP/ABCG2. Appears to play a major role in the multidrug resistance phenotype of a specific MCF-7 breast cancer cell line. When overexpressed, the transfected cells become resistant to mitoxantrone, daunorubicin and doxorubicin, display diminished intracellular accumulation of daunorubicin, and manifest an ATP-dependent increase in the efflux of rhodamine 123.  
Breast Cancer Resistance Protein (BCRP) is a 70 kDa ATP-Binding Cassette membrane transport protein involved in multidrug resistance. BCRP may be over-expressed in cancer cell lines selected with doxorubicin / verapamil, topotecan or mitoxantrone.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ELISA** (1:5000-10000)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 72 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

Sample: Lane 1: Mouse Placenta tissue lysates  
 Lane 2: Mouse Cerebrum tissue lysates Lane 3:  
 Mouse Lung tissue lysates Lane 4: Rat Placenta  
 tissue lysates Lane 5: Rat Cerebrum tissue  
 lysates Lane 6: Rat Lung tissue lysates Lane 7:  
 Human MCF-7 cell lysates Lane 8: Human HepG2  
 cell lysates Lane 9: Human HUVEC cell lysates  
 Primary: Anti-ABCG2 (bs-0662R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-  
 Rabbit IgG at 1/20000 dilution Predicted band  
 size: 72 kDa Observed band size: 82 kDa



Tissue/cell: human placenta 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-ABCG2/CD338 Polyclonal Antibody,  
 Unconjugated(bs-0662R) 1:200, overnight at 4°C,  
 followed by conjugation to the secondary  
 antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain 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-ABCG2/CD338 Polyclonal Antibody,  
 Unconjugated(bs-0662R) 1:200, overnight at 4°C,  
 followed by conjugation to the secondary  
 antibody(SP-0023) and DAB(C-0010) staining

**SELECTED CITATIONS**

- **[IF=8.3]** Yongshuai Qian. et al. Linarin attenuates hyperuricemic nephropathy by modulating Nrf2/Keap1 and TLR4/NF-κB signaling pathways: Linarin attenuates hyperuricemic nephropathy. PHYTOMEDICINE. 2025 Jan;;156440 WB ;Mouse. 39908585
- **[IF=6.1]** Xiaofei Zhou. et al. Coffee Leaf Tea Extracts Improve Hyperuricemia Nephropathy and Its Associated Negative

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

Effect in Gut Microbiota and Amino Acid Metabolism in Rats. J AGR FOOD CHEM. 2023;XXX(XXX):XXX-XXX WB ;Rat. 37936369

- **[IF=3.61]** Skoda, Jan, et al. "Cancer stem cell markers in pediatric sarcomas: Sox2 is associated with tumorigenicity in immunodeficient mice." Tumor Biology(2016): 1-14. IHC ;Human. 26790443
- **[IF=3.577]** Yuan-Jian Hui. et al. Up-regulation of ABCG2 by MYBL2 deletion drives Chlorin e6-mediated photodynamic therapy resistance in colorectal cancer. PHOTODIAGN PHOTODYN. 2023 Apr;;103558 WB ;Human. 37030434
- **[IF=3.73]** Huanhuan Wang. et al. The Pigments in Eggshell with Different Color and the Pigment Regulatory Genes Expression in Corresponding Chicken' s Shell Gland. ANIMAL. 2023 Mar;;100776 WB,IHC ;Chicken. 37043933