

## ABCG2 Rabbit pAb

Catalog Number: bs-0662R

Target Protein: ABCG2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 9429

Swiss Prot: Q9UNQ0

Source: KLH conjugated synthetic peptide derived from human ABCG2: 261-360/655.

Purification: affinity purified by Protein A

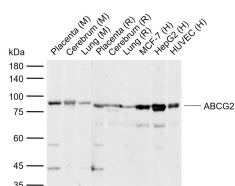
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

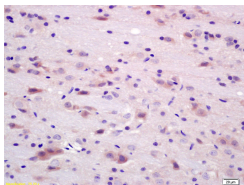
**Background:** An ABC transporter. Allows efflux of Hoechst dye, a property that has been used to separate bone marrow side population cells, which express BCRP/ABCG2. Appears to play a major role in the multidrug resistance phenotype of a specific MCF-7 breast cancer cell line. When overexpressed, 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.

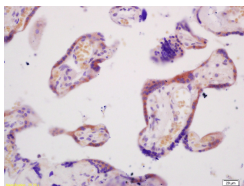
## VALIDATION IMAGES



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: 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



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

## PRODUCT SPECIFIC PUBLICATIONS

[IF=6.1] Xiaofei Zhou. et al. Coffee Leaf Tea Extracts Improve Hyperuricemia Nephropathy and Its Associated Negative Effect in Gut Microbiota and Amino Acid Metabolism in Rats. J AGR FOOD CHEM. 2023;XXXX(XXX):XXX-XXX WB ; Rat . 37936369

[IF=3.776] Dongming Chen. et al. Study on the mechanism of Phellinus igniarius total flavonoids in reducing uric acid and protecting uric acid renal injury in vitro. HELIYON. 2023 Jan;9:e12979 WB ; Human . 10.1016/j.heliyon.2023.e12979

[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