

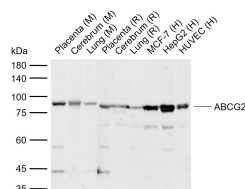
bs-0662R**[Primary Antibody]****Bioss**
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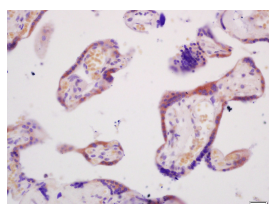
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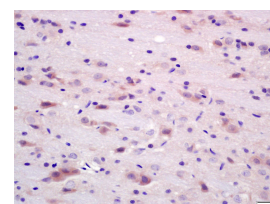
400-901-9800

ABCG2 Rabbit pAb**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

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- **[IF=3.776]** Dongming Chen. et al. Study on the mechanism of Phellinus igniarius total flavonoids in reducing uric acid

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

- 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
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 - **[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