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## Summary

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|------------------------|--|
| <b>Production Name</b> | ABCG2 Rabbit Monoclonal Antibody       |
| <b>Description</b>     | Recombinant Rabbit Monoclonal antibody |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB                                     |
| <b>Reactivity</b>      | Human                                  |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal Antibody  |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| <b>Purification</b> | Affinity Purified  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | ABCG2<br>ABCG2; ABCP; BCRP; BCRP1; MXR; ATP-binding cassette sub-family G member 2; Breast cancer resistance protein; CDw338; Mitoxantrone resistance-associated protein; |
| <b>Alternative Names</b> | Placenta-specific ATP-binding cassette transporter; CD338   |
| <b>Gene ID</b>           | 9429  |
| <b>SwissProt ID</b>      | Q9UNQ0  |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB: 1/500-1/1000                           |
| <b>Molecular Weight</b> | Calculated MW: 72 kDa; Observed MW: 72 kDa |

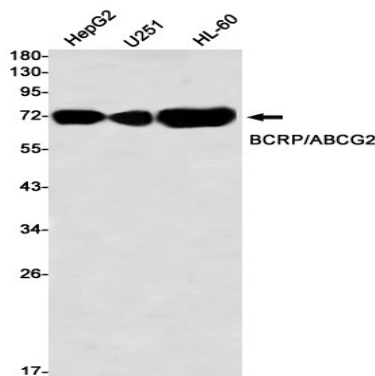
## Background

ABCG2 confers resistance for a variety of chemotherapeutic agents, including anthracyclines, mitoxantrone, bisantrene and topotecan. Play a major role in the multidrug resistance phenotype of several cancer cell lines. 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.

## Research Area

Stem Cells

## Image Data



Western blot analysis of BCRP/ABCG2 in HepG2, U251, HL-60 lysates using ABCG2 antibody.

## Note

For research use only.