
Product Name: ABCG2 Rabbit Polyclonal Antibody**Catalog #: APRab00376**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 72 kDa; Observed MW: 72 kDa

Antigen Information

Gene Name	ABCG2
Alternative Names	ABCG2; ABCP; BCRP; BCRP1; MXR; ATP-binding cassette sub-family G member 2; Breast cancer resistance protein; CDw338; Mitoxantrone resistance-associated protein; Placenta-specific ATP-binding cassette transporter; CD338
Gene ID	9429
SwissProt ID	Q9UNQ0
Immunogen	The antiserum was produced against synthesized peptide derived from human ABCG2. AA range:289-338

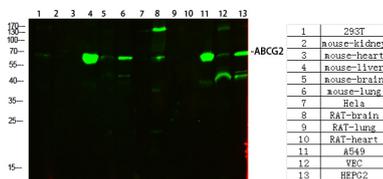
Background

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.

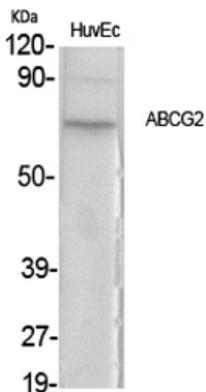
Research Area

Stem Cells

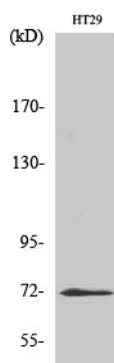
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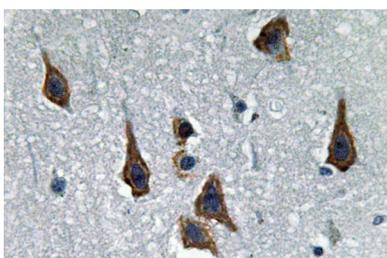
Western blot analysis of ABCG2 in various lysates using ABCG2 antibody.



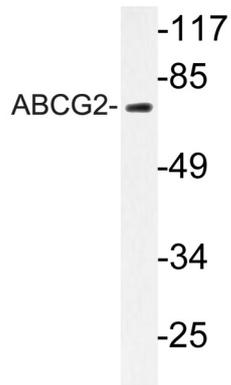
Western blot analysis of ABCG2 in various lysates using ABCG2 antibody.



Western blot analysis of ABCG2 in HT-29 lysates using ABCG2 antibody



Immunohistochemistry analysis of paraffin-embedded Human brain using ABCG2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of ABCG2 in HT-29 lysates using ABCG2 antibody.