Product Name: ABCG2 Rabbit Polyclonal Antibody
Catalog #: APRab00376

Summary

Production Name	ABCG2 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

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

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 72 kDa; Observed MW: 72 kDa

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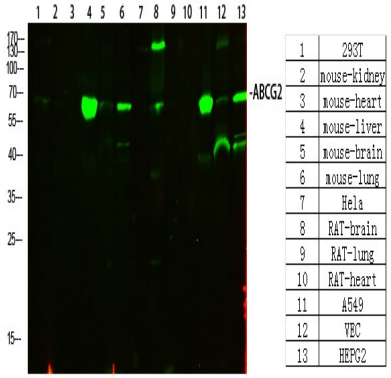
Background

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.

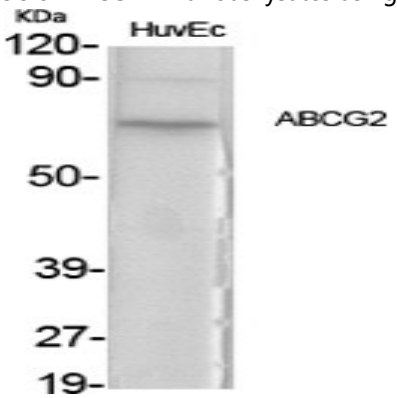
Research Area

Stem Cells

Image Data



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



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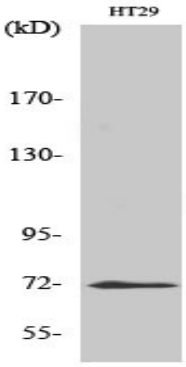
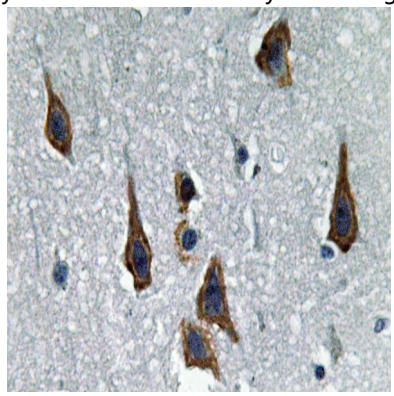
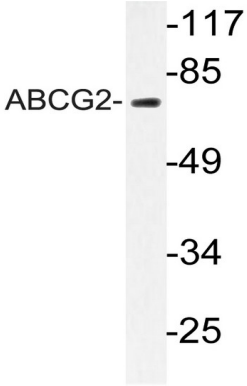


Western blot analysis of ABCG2 in HT-29 lysates using ABCG2 antibody



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 lytsates using ABCG2 antibody.

Note

For research use only.