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### Datasheet for ABIN388306 anti-ABCG2 antibody (Center)

4 Images



#### Overview

Quantity:	400 µL
Target:	ABCG2
Binding Specificity:	AA 305-335, Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	This ABCG2 (BCRP) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-335 AA from the Central region of human ABCG2 (BCRP).
Clone:	RB13782
Isotype:	Ig Fraction
Specificity:	This ABCG2 (BCRP) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 313~342 amino acids from the center region of human ABCG2.
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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#### Target Details

Target:	ABCG2
Alternative Name:	ABCG2 (BCRP) (ABCG2 Products)
Background:	ABCG2 is a membrane-associated protein included in the superfamily of ATP-binding cassette
	(ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular
	membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP,
	ALD, OABP, GCN20, White). This protein is a member of the White subfamily. Alternatively
	referred to as a breast cancer resistance protein, this protein functions as a xenobiotic
	transporter which may play a major role in multi-drug resistance. It likely serves as a cellular
	defense mechanism in response to mitoxantrone and anthracycline exposure. Significant
	expression of this protein has been observed in the placenta, which may suggest a potential
	role for this molecule in placenta tissue.
	Synonyms: ATP-binding cassette sub-family G member 2, Placenta-specific ATP-binding
	cassette transporter, Breast cancer resistance protein, Mitoxantrone resistance-associated
	protein, CD338 antigen, CDw338, ABCP, BCRP, BCRP1, MXR
Molecular Weight:	72314 DA
Gene ID:	9429
UniProt:	Q9UNQ0
Pathways:	Transition Metal Ion Homeostasis
Application Details	
Application Notes:	WB = 1:1000, IF = 1:10-50, FACS = 1:10-50, IHC (p) = 1:50-100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	2 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
-	

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#### Handling

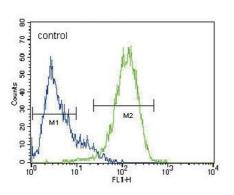
Storage Comment:

Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date:

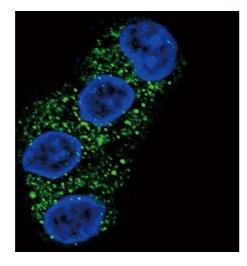
6 months

#### Images



#### **Flow Cytometry**

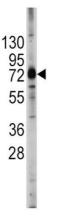
**Image 1.** ABCG2 (BCRP) Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



## Image 2. Confocal immunofluorescent analysis of ABCG2

Immunofluorescence

(BCRP) Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DI was used to stain the cell nuclear (blue).



#### **Western Blotting**

**Image 3.** Western blot analysis of ABCG2 Antibody (Center) in 293 cell line lysates ( $35 \mu g$ /lane). ABCG2(arrow) was detected using the purified Pab.

Please check the product details page for more images. Overall 4 images are available for ABIN388306.

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