

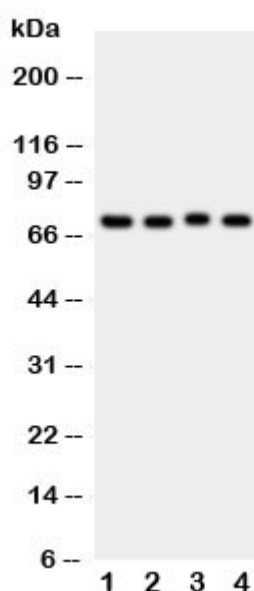
ABCG2 Antibody (BCRP) (R30969)

Catalog No.	Formulation	Size
R30969	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

 [Citations \(1\)](#)

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Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q7TMS5
Applications	Western blot : 0.5-1ug/ml
Limitations	This ABCG2 antibody is available for research use only.



Western blot testing of ABCG2 antibody and Lane 1: rat liver; 2: rat spleen; 3: rat kidney; 4: mouse spleen tissue lysate. Predicted molecular weight ~72kDa.

Description

ABCG2 (ATP-binding cassette, subfamily G, member 2) also known as ABCP, BCRP (Breast cancer resistance protein) or MRX (Mitoxantrone resistance-associated protein), is a protein that in humans is encoded by the ABCG2 gene. The gene encodes a membrane transporter belonging to the ATP-binding cassette (ABC) superfamily of membrane transporters, which are involved in the trafficking of biologic molecules across cell membranes. The protein is also a high capacity transporter for uric acid excretion in the kidney, liver, and gut. In vitro assays of isolated membrane preparations revealed a high-capacity, vanadate-sensitive ATPase activity associated with ABCG2 expression that was stimulated by compounds known to be transported by this protein.

Application Notes

Titration of the ABCG2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 152-167 (KNHEKNERINTIIKEL-mouse) were used as the immunogen for this BCRP / ABCG2 antibody.

Storage

The lyophilized ABCG2 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freezing and thawing.