



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to ABCG2

Catalog Number: MAB-606030219

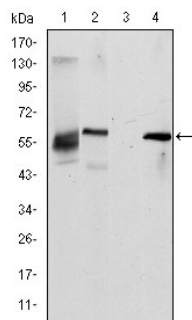


Figure 1: Western blot analysis using ABCG2 mouse mAb against HepG2 (1), Cos7 (2), Jurkat (3) and NIH/3T3 (4) cell lysate.

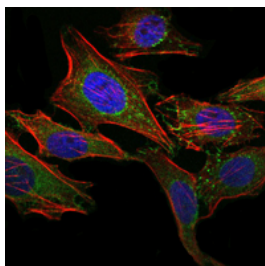


Figure 2: Immunofluorescence analysis of HeLa cells using ABCG2 mouse mAb (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Lot#:
Clone#: 1H2
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 72kDa
Aliases: MRX; MXR; ABCP; BCRP; BMDP; MXR1; ABC15; BCRP1; CD338; CDw338; EST157481; MGC102821
Entrez Gene: 9429
Species reactivity: Human; Mouse;

Description

The membrane-associated protein encoded by this gene is 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. Tissue specificity: Highly expressed in placenta. Low expression in small intestine, liver and colon.

Immunogen

Purified recombinant fragment of human ABCG2 expressed in E. Coli.

Application

Western Blotting: 1/500 - 1/2000.
Immunofluorescence: 1/200 - 1/1000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4°C, for long term storage, store at -20°C.

Related product

References

1. Carcinogenesis. 2008 Dec;29(12):2289-97.
2. Pharm Res. 2009 Feb;26(2):449-58.

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