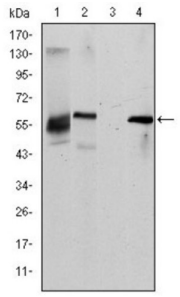
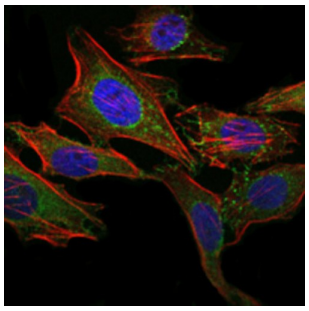
Broad Substrate Specificity ATP-Binding Cassette Transporter ABCG2 (ABCG2) Antibody

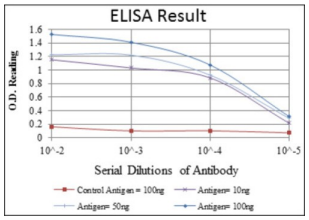
Catalogue No.:abx015756



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



Immunofluorescence analysis of Hela cells using ABCG2 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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.

Target:	Broad Substrate Specificity ATP-Binding Cassette Transporter ABCG2 (ABCG2)
Clonality:	Monoclonal
Reactivity:	Human, Mouse, Monkey

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Tested Applications:	ELISA, WB, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ABCG2 expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
GeneID:	9429
Molecular Weight:	72 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	This product is for research use only.

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