

产品名称: ABCG2 Mouse Monoclonal Antibody
产品货号: AMM80991



产品概述 (Summary)

产品名称 (Production Name)	ABCG2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,Rat,Rabbit,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ABCG2
别名 (Alternative Names)	MRX; MXR; ABCP; BCRP; BMDP; MXR1; ABC15; BCRP1; CD338; CDw338; EST157481; MGC102821
基因 ID (Gene ID)	9429.0
蛋白 ID (SwissProt ID)	Q9UNQ0.Purified recombinant fragment of human ABCG2 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ICC 1:50-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	72kDa

研究背景 (Background)

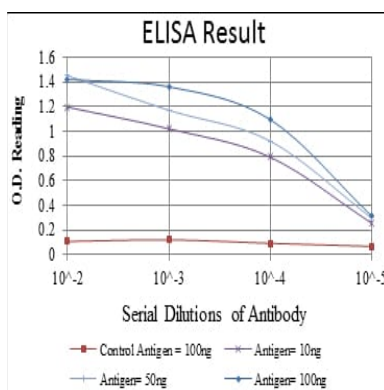
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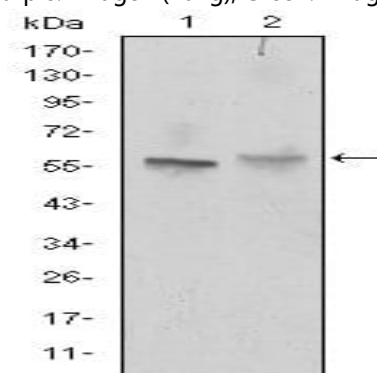
The membrane-associated protein encoded by this gene is included in the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, 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.

研究领域 (Research Area)

图片 (Image Data)

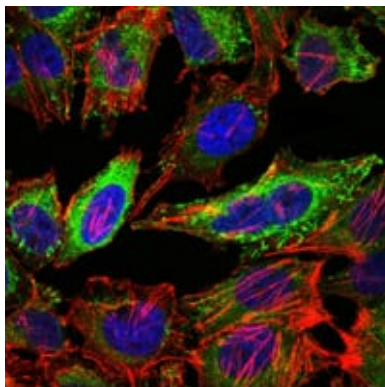


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

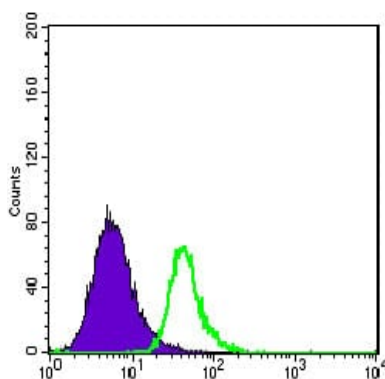


Western blot analysis using ABCG2 mouse mAb against NIH/3T3 (1) and Cos7 (2) cell lysate.

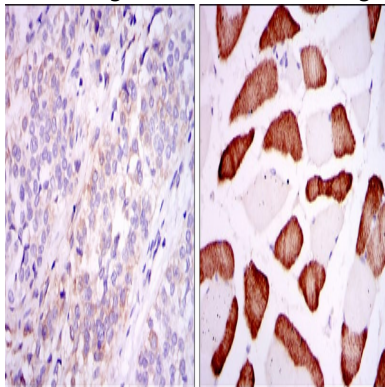
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Immunofluorescence analysis of HeLa cells using ABCG2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

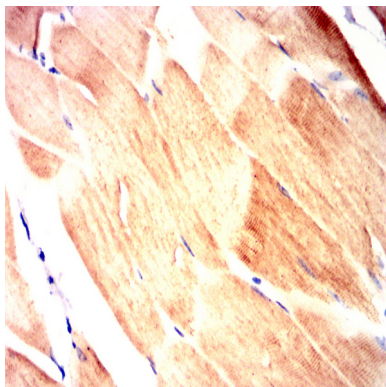


Flow cytometric analysis of HepG2 cells using ABCG2 mouse mAb (green) and negative control (purple).

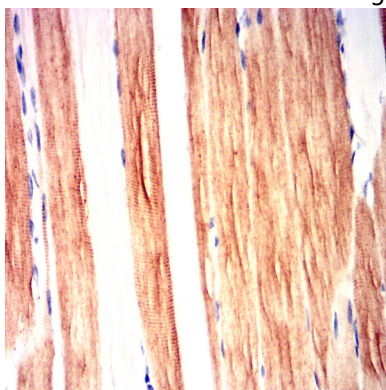


Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues (left) and skeletal muscle tissues (right) using ABCG2 mouse mAb with DAB staining.

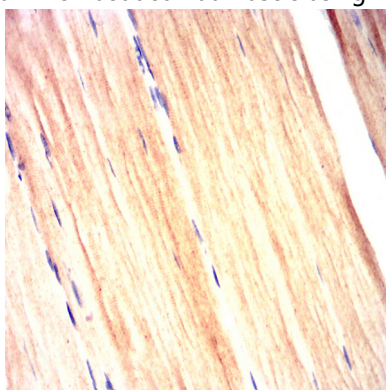
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Immunohistochemical analysis of paraffin-embedded Mouse muscle using ABCG2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat muscle using ABCG2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit muscle using ABCG2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .