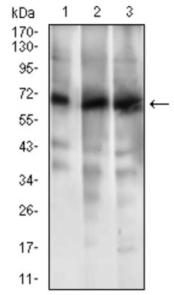
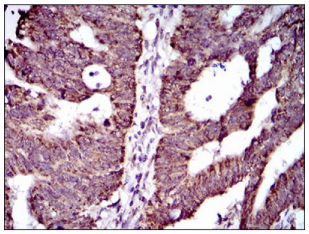
ATP Binding Cassette Subfamily G Member 5 (ABCG5) Antibody

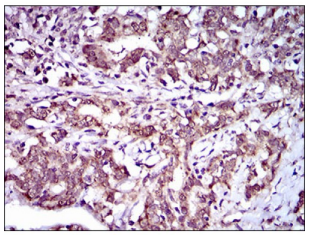
Catalogue No.:abx015759



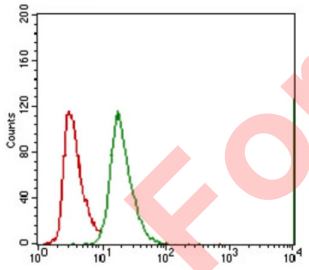
Western blot analysis using ABCG5 antibody against human ABCG5 recombinant protein. (Expected MW is 32.7 kDa).



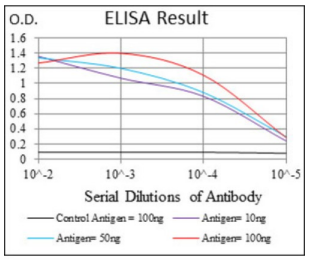
Western blot analysis using ABCG5 antibody against HEK293 (1) and ABCG5 (AA: 306-367) - hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using ABCG5 antibody against HL7702 (1), RAJI (2) and Jurkat (3) cell lysate.



Flow cytometric analysis of A549 cells using ABCG5 antibody (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using ABCG5 antibody with DAB staining.

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The protein encoded by this gene is a member of 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.The protein encoded by this gene functions as a half-transporter to limit intestinal absorption and promote biliary excretion of sterols.It is expressed in a tissue-specific manner in the liver, colon, and intestine.This gene is tandemly arrayed on chromosome 2, in a head-to-head orientation with family member ABCG8.Mutations in this gene may contribute to sterol accumulation and atheroschlerosis, and have been observed in patients with sitosterolemia.

Target:	ATP Binding Cassette Subfamily G Member 5 (ABCG5)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ABCG5 (AA: 306-367) expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9H222 (UniProt, ExPASy)
Gene Symbol:	ABCG5
GeneID:	64240
OMIM:	210250
HGNC:	13886
Ensembl:	ENSG00000138075
String:	9606.ENSP00000260645

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Molecular Weight:	72.5 kDa
Buffer:	PBS, containing 0.05% sodium azide.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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