

Product datasheet for **TA336947**

ABCG5 Mouse Monoclonal Antibody [Clone ID: 1B5E10]

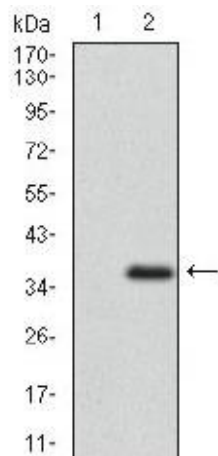
Product data:

Product Type:	Primary Antibodies
Clone Name:	1B5E10
Applications:	FC, IHC, WB
Recommend Dilution:	WB: 1:500 - 1:2000, ELISA: 1:10000, FC: 1:200 - 1:400, IHC: 1:200 - 1:2000, IHC-P: 1:200 - 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Partial recombinant human ABCG5 (between residues 300-500) expressed in E. coli [UniProt Q9H222].
Formulation:	PBS, 0.03% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	1 mg/ml
Purification:	Ammonium sulfate precipitation
Gene Name:	ATP binding cassette subfamily G member 5
Database Link:	NP_071881 Entrez Gene 64240 Human
Background:	ABCG5 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC proteins are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). ABCG5 is a member of the White subfamily. It functions as a half-transporter to limit intestinal absorption and promote biliary excretion of sterols. ABCG5 is expressed in a tissue-specific manner in the liver, colon, and intestine. Mutations in this protein may contribute to sterol accumulation and atherosclerosis, and they have been observed in patients with sitosterolemia (1).
Synonyms:	STSL
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters

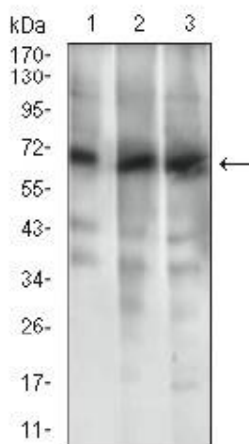


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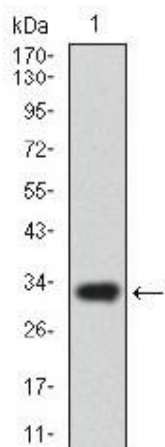
Product images:



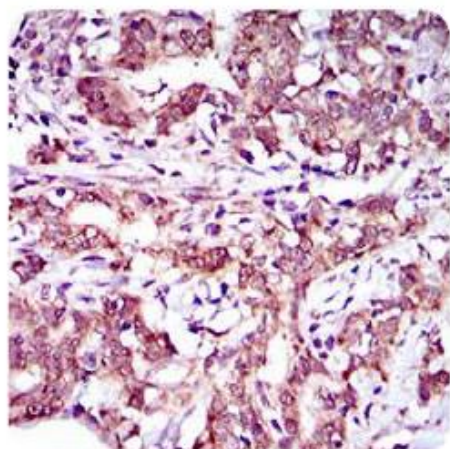
Western Blot: ABCG5 Antibody (1B5E10)
TA336947 - Western blot analysis of ABCG5 in (1)
HEK293 and (2) ABCG5 hlgGfc transfected
HEK293 cell lysate.



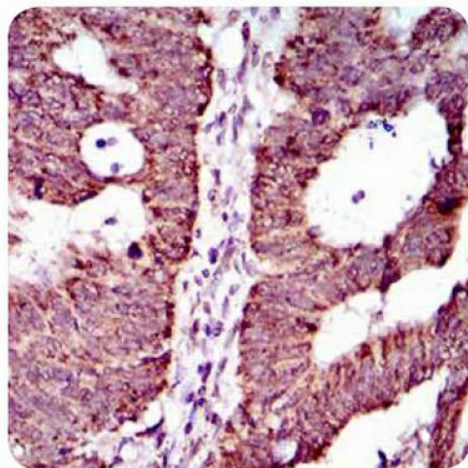
Western Blot: ABCG5 Antibody (1B5E10)
TA336947 - Western blot analysis of ABCG5 in (1)
HL7702, (2) RAJI and (3) Jurkat cell lysate.



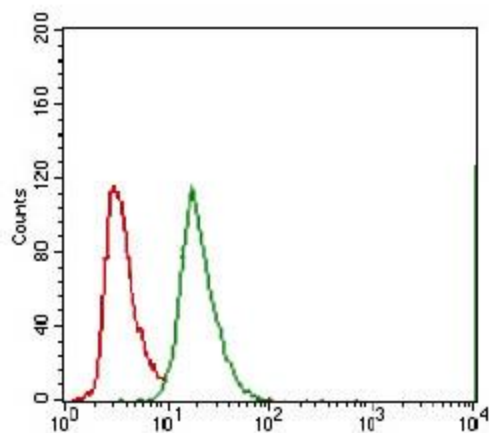
Western Blot: ABCG5 Antibody (1B5E10) TA336947 - Western blot analysis of ABCG5 in human ABCG5 recombinant protein. (Expected MW is 32.7 kDa)



Immunohistochemistry: ABCG5 Antibody (1B5E10) TA336947 - IHC analysis of paraffin-embedded human cervical cancer tissues with DAB staining.



Immunohistochemistry: ABCG5 Antibody (1B5E10) TA336947 - IHC analysis of paraffin-embedded rectum cancer tissues using ABCG5 mouse mAb with DAB staining.



Flow Cytometry: ABCG5 Antibody (1B5E10)
TA336947 - Flow cytometry analysis of A549 cells
using ABCG5 mouse mAb (green) and negative
control (red).