

Rabbit anti-Human, mouse ABCG1 Polyclonal Antibody | anti-ABCG1 antibody

ABCG1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284770	Rabbit	Human, mouse	Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

ABCG1; Polyclonal Antibody; ABCG1 Antibody (N-term); ATP-binding cassette sub-family G member 1; ATP-binding cassette transporter 8; White protein homolog; ABC8; WHT1; anti-ABCG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ABCG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-195 amino acids from the N-terminal region of human ABCG1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	168-195
Sequence Length	785
Applicable Applications for anti-ABCG1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of ABCG1 Antibody (N-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

ABCG1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ABCG1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)

ABCG1 Antibody (N-term) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of ABCG1 antibody (N-term) in mouse spleen tissue lysates (35ug/lane). ABCG1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCG1 antibody	ABCG1 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. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types.
Product Categories/Family for anti-ABCG1 antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction
References	Furuyama,S., J. Atheroscler. Thromb. 16 (3), 194-200 (2009) Stefulj,J., Circ. Res. 104 (5), 600-608 (2009) Mauerer,R., Exp. Mol. Med. 41 (2), 126-132 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	46592915
NCBI GeneID	9619
NCBI Accession #	NP_004906.3; NP_058198.2; NP_997057.1; NP_997510.1; NP_997511.1; NP_997512.1
NCBI GenBank Nucleotide #	NM_004915.3
UniProt Accession #	P45844; Q86SU8; Q96L76; Q9BXX6; Q9BXX7; Q9BXX8; Q9BXX9; Q9BXL0; Q9BXL1; Q9BXL2; Q9BXL3; Q9BXL4
Molecular Weight	75592
NCBI Official Full Name	ATP-binding cassette sub-family G member 1 isoform 4
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family G (WHITE), member 1
NCBI Official Symbol	ABCG1
NCBI Official Synonym Symbols	ABC8; WHITE1
NCBI Protein Information	ATP-binding cassette sub-family G member 1
UniProt Protein Name	ATP-binding cassette sub-family G member 1
UniProt Gene Name	ABCG1
UniProt Synonym Gene Names	ABC8; WHT1
UniProt Entry Name	ABCG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/abcg1-antibody-immunofluorescence-immunohistochemistry-flow-cytometry-western-blot-elisa/284770>