

Rabbit ABCG1 Polyclonal Antibody | anti-ABCG1 antibody

Anti-ABCG1 antibody

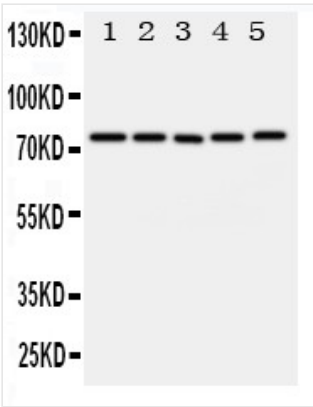
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45446	Rabbit	Reacts with: Human Predicted to work with: Mouse, Rat	Western Blot

PRODUCT SYNONYMS

ABCG1; Polyclonal Antibody; Anti-ABCG1 antibody; ATP-binding cassette sub-family G member 1; ATP-binding cassette; sub-family G(WHITE); member 1; ABC transporter 8 antibody; Abc8 antibody; ABCG1 antibody; ABCG1_HUMAN antibody; ATP-binding cassette sub family G member 1 antibody; ATP-binding cassette sub-family G member 1 antibody; ATP-binding cassette transporter 8 antibody; ATP-binding cassette transporter member 1 of subfamily G antibody; sub family G WHITE member 1 antibody; homolog of Drosophila white antibody; MGC34313 antibody; White protein homolog antibody; White protein homolog ATP binding cassette transporter 8 antibody; WHITE1 antibody; wht1 antibody; anti-ABCG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Human Predicted to work with: Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	678
Applicable Applications for anti-ABCG1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ABCG1 (627-647aa ETCHFQKSEAILRELDVENAK), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-ABCG1 antibody, AAA45446, Western blottingAll lanes: Anti ABCG1 (AAA45446) at 0.5ug/mlLane 1: U87 Whole Cell Lysate at 40ugLane 2: SMMC Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: COLO320 Whole Cell Lysate at 40ugLane 5: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 75KDObserved bind size: 75KD

ADDITIONAL INFORMATION

Related Product Information for anti-ABCG1 antibody	Description: Rabbit IgG polyclonal antibody for ATP-binding cassette sub-family G member 1(ABCG1) detection. Tested with WB in Human, Mouse, Rat. Background: ABCG1(Atp-binding cassette, subfamily g, member 1) also known as ABC8, ABC TRANSPORTER 8 or WHITE, DROSOPHILA, HOMOLOG OF, is a protein that in humans is encoded by the ABCG1 gene. ABCG1 is a regulator of macrophage cholesterol and phospholipid transport. The protein encoded by this gene is a member of the superfamily of ATP-binding cassette(ABC) transporters.The ABCG1 gene is mapped on 21q22.3. 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. ABCG1 is induced in monocyte-derived macrophages during cholesterol influx mediated by acetylated low-density lipoprotein. Inhibition of ABCG1 protein expression using an antisense strategy resulted in reduced HDL3-dependent efflux of cholesterol and choline-phospholipids. In macrophages, silencing of GPS2 by RNA interference reduced ABCG1 expression and diminished ABCG1-mediated cholesterol efflux.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17433715
NCBI GeneID	9619
UniProt Accession #	P45844; Q86SU8; Q96L76; Q9BXX6; Q9BXX7; Q9BXX8; Q9BXX9; Q9BXL0; Q9BXL1; Q9BXL2; Q9BXL3; Q9BXL4
Molecular Weight	86,628 Da
NCBI Official Full Name	ATP-binding cassette sub-family G member 1
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; ABC transporter 8; homolog of Drosophila white; ATP-binding cassette transporter 8; ATP-binding cassette transporter member 1 of subfamily G; white protein homolog (ATP-binding cassette transporter 8)
UniProt Protein Name	ATP-binding cassette sub-family G member 1
UniProt Gene Name	ABCG1
UniProt Synonym Gene Names	ABC8; WHT1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abcg1-antibody-western-blot-elisa/45446>