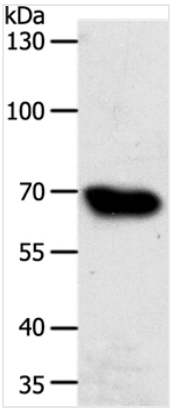
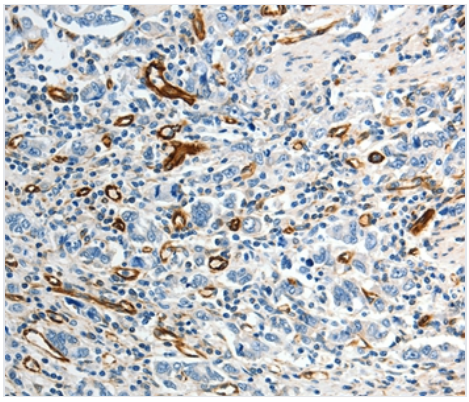
ABCG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ABCG1, Polyclonal Antibody
Full Product Name	ABCG1 Antibody
Product Gene Name	anti-ABCG1 antibody
Product Synonym Names	ABC8; WHITE1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	1.2 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total ABCG1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	86,628 Da
OMIM	603076
3D Structure	ModBase 3D Structure for P45844
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human ATP-binding cassette, sub-family G (WHITE), member 1
Target Name	ABCG1
Product Categories/Family for anti-ABCG1 antibody	Total protein Ab
Applications Tested/Suitable for anti-ABCG1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ABCG1 antibody	Western blotting: 1:500-1:2000 Immunohistochemistry: 1:25-1:100
Related Product Information for anti-ABCG1 antibody	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. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types. Six alternative splice variants have been identified.
Other Notes	Small volumes of anti-ABCG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABCG1 purchase	MBS9406444 is an antibody targeting ABCG1. Also known as ABCG1 Antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-ABCG1 antibody
Gel: 10%SDS-PAGE Lysate: 40ug HT-29 cell Primary antibody: 1/500 dilution Secondary antibody dilution: 1/8000 Exposure time: 2 minutes



Immunohistochemistry (IHC) of anti-ABCG1 antibody
Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using at dilution 1/40.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCG1. It may not necessarily be applicable to this product.

NCBI GI #	46592915
NCBI GeneID	9619
NCBI Accession #	NP_004906.3
UniProt Primary Accession #	P45844
UniProt Secondary Accession #	Q86SU8; Q96L76; Q9BXK6; Q9BXK7; Q9BXK8; Q9BXK9; Q9BXL0; Q9BXL1; Q9BXL2; Q9BXL3; Q9BXL4
UniProt Related Accession #	P45844
GenBank Nucleotide #	NM_004915.3
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
UniProt Protein Name	ATP-binding cassette sub-family G member 1
UniProt Synonym Protein Names	ATP-binding cassette transporter 8; White protein homolog
Protein Family	ABC transporter G family
UniProt Gene Name	ABCG1
UniProt Synonym Gene Names	ABC8; WHT1
UniProt Entry Name	ABCG1_HUMAN
NCBI Protein Information	ATP-binding cassette sub-family G member 1
UniProt Comments for ABCG1	Transporter involved in macrophage lipid homeostasis. Is an active component of the macrophage lipid export complex. Could also be involved in intracellular lipid transport processes. The role in cellular lipid homeostasis may not be limited to macrophages.
Research Articles on ABCG1	**1.** ABCG1 can interact with cholesterol via a functional CRAC domain (cholesterol recognition/interaction amino acid consensus motifs).

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