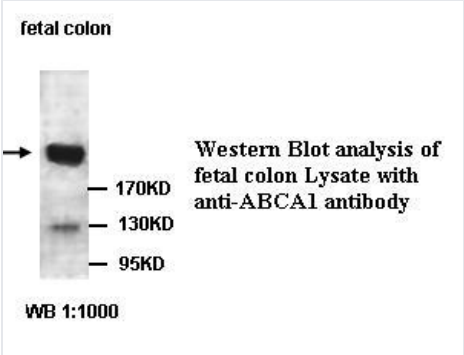
ABCA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ABCA1, Polyclonal Antibody
Full Product Name	ABCA1 Antibody
Product Gene Name	anti-ABCA1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human Predicted: Mouse, Rat
Form/Format	Purified by protein A column containing 0.02% NaN3
Preparation and Storage	Already reconstituted in 200ul sterile H2O. The antibody is stable for at least one year when stored at-20 degree C after reconstitution. Avoid repeated freeze/defrost cycles.
Molecular Weight	254,302 Da
OMIM	205400
3D Structure	ModBase 3D Structure for O95477
Product Categories/Family for anti-ABCA1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ABCA1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-ABCA1 antibody	ELISA: 1:10,000-1:80,000 WB: 1:1,000-1:2,000
Related Product Information for anti-ABCA1 antibody	Rabbit polyclonal ABCA1 (1) antibody was raised against a recombinate human ABCA1 protein 2085-2245aa (NM_005502).
Product References and Citations for anti-ABCA1 antibody	(1) Iwamoto, N., Lu, R., Tanaka, N., et al. Calmodulin interacts with ATP binding cassette transporter A1 to protect from calpain-mediated degradation and upregulates high-density lipoprotein generation. Arterioscler. Thromb. Vasc. Biol. 30 (7), 1446-1452 (2010).
Other Notes	Small volumes of anti-ABCA1 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 ABCA1 purchase	MBS853513 is an antibody targeting ABCA1. Also known as ABCA1 Antibody. Reactive in Human Predicted: Mouse, Rat. Host: Rabbit.



Testing Data of anti-ABCA1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCA1. It may not necessarily be applicable to this product.

NCBI GI #	21536376
NCBI GeneID	19
NCBI Accession #	NP_005493.2
UniProt Primary Accession #	O95477
UniProt Secondary Accession #	Q5VX33; Q96S56; Q96T85; Q9NQV4; Q9UN06; Q9UN07; Q9UN08; Q9UN09
UniProt Related Accession #	O95477
GenBank Nucleotide #	NM_005502.3
NCBI Official Full Name	ATP-binding cassette sub-family A member 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily A member 1
NCBI Official Symbol	ABCA1
NCBI Official Synonym Symbols	TGD; ABC1; CERP; ABC-1; HDLDT1
UniProt Protein Name	ATP-binding cassette sub-family A member 1
UniProt Synonym Protein Names	ATP-binding cassette transporter 1; ABC-1; ATP-binding cassette 1; Cholesterol efflux regulatory protein
Protein Family	ABC transporter A family
UniProt Gene Name	ABCA1
UniProt Synonym Gene Names	ABC1; CERP; ABC-1; ATP-binding cassette 1
NCBI Protein Information	ATP-binding cassette sub-family A member 1
NCBI Summary for ABCA1	The membrane-associated 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 intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. With cholesterol as its substrate, this protein functions as a cholesteral efflux pump in the cellular lipid removal pathway. Mutations in this gene have been associated with Tangier's disease and familial high-density lipoprotein deficiency. [provided by RefSeq, Jul 2008]
UniProt Comments for ABCA1	cAMP-dependent and sulfonylurea-sensitive anion transporter. Key gatekeeper influencing intracellular cholesterol transport.
Research Articles on ABCA1	**1.** This study provides evidence that, in HepG2 cells, GLP-1 may affect cholesterol homeostasis by regulating the expression of miR-758 and ABCA1.

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