ABCA2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ABCA2, Polyclonal Antibody
Full Product Name	ABCA2 Antibody, FITC conjugated
Product Gene Name	anti-ABCA2 antibody
Product Synonym Names	ATP-binding cassette sub-family A member 2; ATP-binding cassette transporter 2; ATP-binding cassette 2; ABCA2; ABC2; KIAA1062
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ABCA2 (MBS7051465) FITC Conjugated Antibody: ABCA2 (MBS7051467)
Molecular Weight	269,988 Da
OMIM	AF327657 mRNA
3D Structure	ModBase 3D Structure for Q9BZC7
Immunogen	Recombinant Human ATP-binding cassette sub-family A member 2 protein (1223-1429AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-134559 / sc-48440
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ABCA2 antibody	ELISA (EIA)
Related Product Information for anti-ABCA2 antibody	Probable transporter, its natural substrate has not been found yet. May have a role in macrophage lipid metabolism and neural development.
Other Notes	Small volumes of anti-ABCA2 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 ABCA2 purchase	MBS7051467 is an antibody targeting ABCA2. Also known as ABCA2 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCA2. It may not necessarily be applicable to this product.

NCBI GI #	45446740
NCBI GeneID	20
NCBI Accession #	NP_001597.2
UniProt Primary Accession #	Q9BZC7
UniProt Secondary Accession #	Q5SPY5; Q5W9G5; Q76MW7; Q9HC28; A6NED5
UniProt Related Accession #	Q9BZC7
GenBank Nucleotide #	NM_001606.4
NCBI Official Full Name	ATP-binding cassette sub-family A member 2 isoform a
NCBI Official Synonym Full Names	ATP binding cassette subfamily A member 2
NCBI Official Symbol	ABCA2
NCBI Official Synonym Symbols	ABC2
UniProt Protein Name	ATP-binding cassette sub-family A member 2
UniProt Synonym Protein Names	ATP-binding cassette transporter 2; ATP-binding cassette 2
Protein Family	ABC transporter A family
UniProt Gene Name	ABCA2
UniProt Synonym Gene Names	ABC2; KIAA1062; ATP-binding cassette 2
UniProt Entry Name	ABCA2_HUMAN
NCBI Protein Information	ATP-binding cassette sub-family A member 2
NCBI Summary for ABCA2	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. This protein is highly expressed in brain tissue and may play a role in macrophage lipid metabolism and neural development. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for ABCA2	ABCA2: Probable transporter, its natural substrate has not been found yet. May have a role in macrophage lipid metabolism and neural development. Belongs to the ABC transporter superfamily. ABCA family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Transporter; Transporter, ABC family Chromosomal Location of Human Ortholog: 9q34 Cellular Component: cytoplasmic vesicle; endosome; integral to membrane; lysosome; membrane; microtubule organizing center Molecular Function: ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances Biological Process: cholesterol efflux; cholesterol homeostasis; phospholipid efflux; regulation of intracellular cholesterol transport; regulation of transcription from RNA polymerase II promoter; response to drug; response to steroid hormone stimulus
Research Articles on ABCA2	**1.** Our findings indicate a considerable and direct relationship between mRNA expression levels of ABCA2, ABCA3, MDR1, and MRP1 genes and positive minimal residual disease (MRD) measured after one year of treatment.

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