ABCA9 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	ABCA9, Polyclonal Antibody
Full Product Name	Goat anti-ABCA9 Antibody
Product Gene Name	anti-ABCA9 antibody
Product Synonym Names	ABCA9; ATP-binding cassette, sub-family A (ABC1), member 9; DKFZp686F2450; EST640918; MGC75415; ATP-binding cassette A9; ATP-binding cassette, sub-family A, member 9; ABCA9 antibody; ATP-binding cassette; sub-family A (ABC1); member 9 antibody; DKFZp686F2450 antibody; EST640918 antibody; MGC75415 antibody; ATP-binding cassette A9 antibody; ATP-binding cassette; sub-family A; member 9 antibody
Immunogen Sequence	QRVVQELEME NIQD
Clonality	Polyclonal
Host	Goat
Species Reactivity	Tested: Human; Expected from sequence similarity: Human
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0. 02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Concentration	100ug specific antibody in 200ul (lot specific)
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.
Antibody/Peptide Pairs	ABCA9 peptide (MBS425657) is used for blocking the activity of ABCA9 antibody (MBS421709)
Molecular Weight	30,998 Da
OMIM	612507
Immunogen	Peptide with sequence C-QRVVQELEMENIQD, from the internal region of the protein sequence according to NP_525022.2.
Epitope	Internal region
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Applications Tested/Suitable for anti-ABCA9 antibody	Peptide ELISA (EIA), Western Blot (WB)
Application Notes for anti-ABCA9 antibody	Peptide ELISA: Antibody detection limit dilution 1: 128000. Western Blot: Approx.170kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 184kDa according to NP_525022.2). Recommended concentration: 0.1-0.3ug/ml.
Related Product Information for anti-ABCA9 antibody	MBS421709 is an antibody targeting ABCA9. Also known as Goat anti-ABCA9 Antibody. Reactive in Tested: Human; Expected from sequence similarity: Human. Host: Goat.
Other Notes	Small volumes of anti-ABCA9 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.



Western Blot (WB) of anti-ABCA9 antibody
(0.1ug/ml) staining of Cerebellum lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCA9. It may not necessarily be applicable to this product.

NCBI GI #	27477115
NCBI GeneID	10350
NCBI Accession #	NP_525022.2
UniProt Secondary Accession #	Q6P655; Q8N2S4; Q8WWZ5; Q96MD8
UniProt Related Accession #	Q8IUA7
GenBank Nucleotide #	NM_080283.3
NCBI Official Full Name	ATP-binding cassette sub-family A member 9
NCBI Official Synonym Full Names	ATP binding cassette subfamily A member 9
NCBI Official Symbol	ABCA9
NCBI Official Synonym Symbols	EST640918
UniProt Protein Name	ATP-binding cassette sub-family A member 9
Protein Family	ABC transporter A family
UniProt Gene Name	ABCA9
UniProt Entry Name	ABCA9_HUMAN
NCBI Protein Information	ATP-binding cassette sub-family A member 9
NCBI Summary for ABCA9	This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two transmembrane domains and two nucleotide binding folds. 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, and White). This gene is a member of the ABC1 subfamily and is clustered with four other ABC1 family members on chromosome 17q24. Transcriptional expression of this gene is induced during monocyte differentiation into macrophages and is suppressed by cholesterol import. [provided by RefSeq, Jul 2008]

UniProt Comments for ABCA9	ABCA9: May play a role in monocyte differentiation and lipid homeostasis. Belongs to the ABC transporter superfamily. ABCA family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Transporter, ABC family; Transporter; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 17q24.2 Cellular Component: integral to membrane; mitochondrial inner membrane Molecular Function: ATP binding; ATPase activity, coupled to transmembrane movement of substances Biological Process: lipid transport; metabolic process; transmembrane transport
Research Articles on ABCA9	**1.** Observational study of gene-disease association. (HuGE Navigator)
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