

**Goat Anti-ABCA9 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1006a****Specification**

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**Goat Anti-ABCA9 Antibody - Product Information**

Application	IHC, FC, Pep-ELISA
Primary Accession	<a href="#">Q8IUJ7</a>
Other Accession	<a href="#">NP_525022</a> , <a href="#">10350</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	184362

**Goat Anti-ABCA9 Antibody - Additional Information****Gene ID** 10350**Other Names**

ATP-binding cassette sub-family A member 9, ABCA9

**Dilution**

IHC~~1:100~500

FC~~1:10~50

Pep-ELISA~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-ABCA9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-ABCA9 Antibody - Protein Information****Name** ABCA9**Function**

Transporter that may play a role in monocyte differentiation and lipid transport and homeostasis.

**Cellular Location**

Membrane; Multi-pass membrane protein

**Tissue Location**

Widely expressed with higher expression in heart. {ECO:0000269|Ref.1}

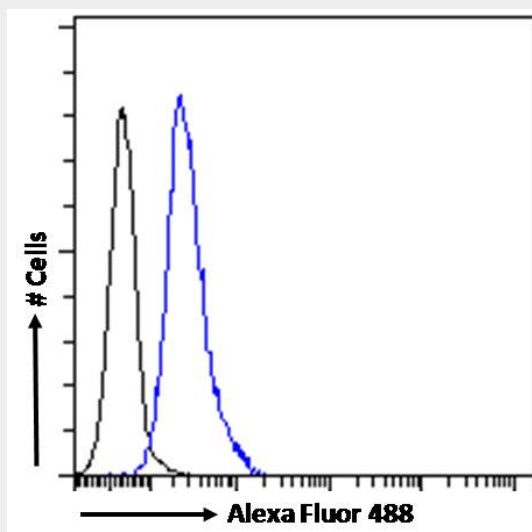
**Goat Anti-ABCA9 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

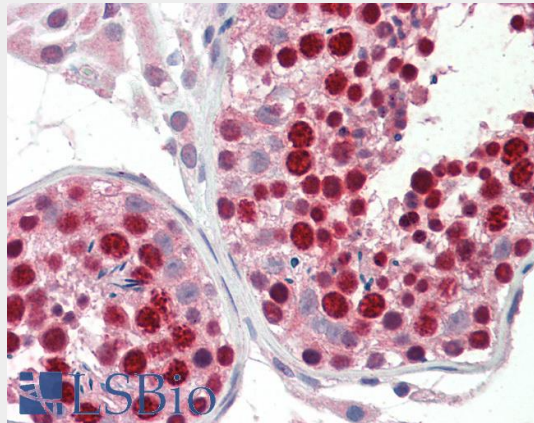
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-ABCA9 Antibody - Images**

AF1006a (0.1  $\mu$ g/ml) staining of Cerebellum lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB08619 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) f



EB08619 (5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **Goat Anti-ABCA9 Antibody - Background**

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.

#### **Goat Anti-ABCA9 Antibody - References**

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.  
Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.  
Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.  
Molecular structure of a novel cholesterol-responsive A subclass ABC transporter, ABCA9. Piehler A, et al. Biochem Biophys Res Commun, 2002 Jul 12. PMID 12150964.  
The human ATP-binding cassette (ABC) transporter superfamily. Dean M, et al. Genome Res, 2001 Jul. PMID 11435397.