

ABCA2 polyclonal antibody

Catalog # PAB11473 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ABCA2.
Immunogen	A synthetic peptide corresponding to human ABCA2.
Sequence	C-KKQSDNLEQQETEP
Host	Goat
Theoretical MW (kDa)	270, 273
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ABCA2

Entrez GeneID [20](#)

Protein Accession# [NP_001597.2;NP_997698.1](#)

Gene Name ABCA2

Gene Alias ABC2, MGC129761

Gene Description ATP-binding cassette, sub-family A (ABC1), member 2

Omim ID [600047](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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/TA P, 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]

Other Designations ATP-binding cassette, sub-family A, member 2|OTTHUMP00000064733

Publication Reference

- [ABCA2 is a strong genetic risk factor for early-onset Alzheimer's disease.](#)

Mace S, Cousin E, Ricard S, Genin E, Spanakis E, Lafargue-Soubigou C, Genin B, Fournel R, Roche S, Haussy G, Massey F, Soubigou S, Brefort G, Benoit P, Brice A, Campion D, Hollis M, Pradier L, Benavides J, Deleuze JF.

Neurobiology of Disease 2005 Feb; 18(1):119.

Pathway

- [ABC transporters](#)
- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)