

Apolipoprotein A1/APOA1 (AB2651) Rabbit mAb

M0069

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IF/ICC, IP, ELISA

MW

- 28 kDa (calculated)
- 28 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IF/ICC, IP, ELISA

Dilution

WB, 1:2000-1:4000 | IF/ICC, 1:200-1:800 | IP, 0.5 μg-4 μg antibody for 200 μg-400 μg extracts of whole cells | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% proclin300.

Basic Information

Clonality Monoclonal

Clone Number AB2651

Immunogen Recombinant fusion protein containing a sequence corresponding to amino acids 25 - 267 of human Apolipoprotein A1/APOA1.

Specificity This antibody detects endogenous levels of Apolipoprotein A1/APOA1 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name APOA1

Protein Name Apolipoprotein A1/APOA1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P02647	335

Background

This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preprotein.



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