

APOA1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3941a

Specification

APOA1 Antibody (internal region) - Product Information

| | |
|-------------------|---|
| Application | WB |
| Primary Accession | P02647 |
| Other Accession | NP_000030.1 , 335 |
| Reactivity | Human |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Isotype | IgG |
| Calculated MW | 30778 |

APOA1 Antibody (internal region) - Additional Information

Gene ID 335

Other Names

Apolipoprotein A-I, Apo-AI, ApoA-I, Apolipoprotein A1, Proapolipoprotein A-I, ProapoA-I, Truncated apolipoprotein A-I, Apolipoprotein A-I(1-242), APOA1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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

APOA1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

APOA1 Antibody (internal region) - Protein Information

Name APOA1 ([HGNC:600](#))

Function

Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility.

Cellular Location

Secreted.

Tissue Location

Major protein of plasma HDL, also found in chylomicrons. Synthesized in the liver and small intestine. The oxidized form at Met-110 and Met-136 is increased in individuals with increased risk for coronary artery disease, such as in carrier of the eNOSa/b genotype and exposure to cigarette smoking. It is also present in increased levels in aortic lesions relative to native ApoA-I and increased levels are seen with increasing severity of disease

APOA1 Antibody (internal region) - 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](#)

APOA1 Antibody (internal region) - Images



AF3941a (0.5 µg/ml) staining of Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

APOA1 Antibody (internal region) - References

The crystal structure of the C-terminal truncated apolipoprotein A-I sheds new light on amyloid formation by the N-terminal fragment. Gursky O, Mei X, Atkinson D. *Biochemistry*. 2012 Jan 10;51(1):10-8. PMID: 22229410