

**Apolipoprotein A1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51923**

**Specification**

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**Apolipoprotein A1 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P02647</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>30 KDa</b>

**Apolipoprotein A1 Antibody - 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**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Apolipoprotein A1 Antibody - 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

## **Apolipoprotein A1 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](#)

## **Apolipoprotein A1 Antibody - Images**

## **Apolipoprotein A1 Antibody - Background**

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## **Apolipoprotein A1 Antibody - References**

Shoulders C.C., et al. Nucleic Acids Res. 11:2827-2837(1983).  
Cheung P., et al. Nucleic Acids Res. 11:3703-3715(1983).  
Karathanasis S.K., et al. Proc. Natl. Acad. Sci. U.S.A. 80:6147-6151(1983).  
Seilhamer J.J., et al. DNA 3:309-317(1984).  
Sharpe C.R., et al. Nucleic Acids Res. 12:3917-3932(1984).