

APOA1 / Apolipoprotein A 1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13930

Specification

APOA1 / Apolipoprotein A 1 Antibody - Product Information

Application	WB, IHC-P, E, ID
Primary Accession	P02647
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A ID~~N/A

APOA1 / Apolipoprotein A 1 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

Target/Specificity

Recognizes mouse Apo AI. Does not react well with human Apo AI. Species cross-reactivity: rat.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

APOA1 / Apolipoprotein A 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

APOA1 / Apolipoprotein A 1 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

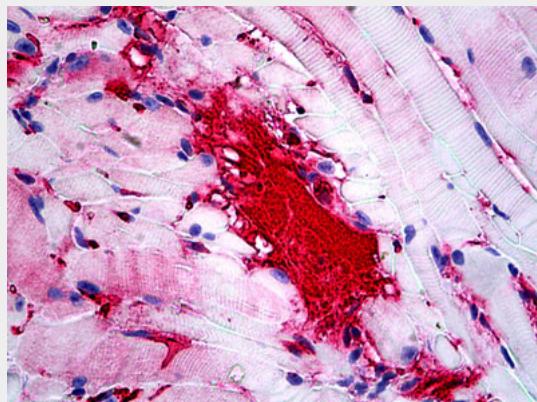
Major protein of plasma HDL, also found in chylomicrons. Synthesized in the liver and small intestine. The oxidized form at Met-110 and Met-136 is increased in individuals with increased risk for coronary artery disease, such as in carrier of the eNOSa/b genotype and exposure to cigarette smoking. It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

APOA1 / Apolipoprotein A 1 Antibody - Protocols

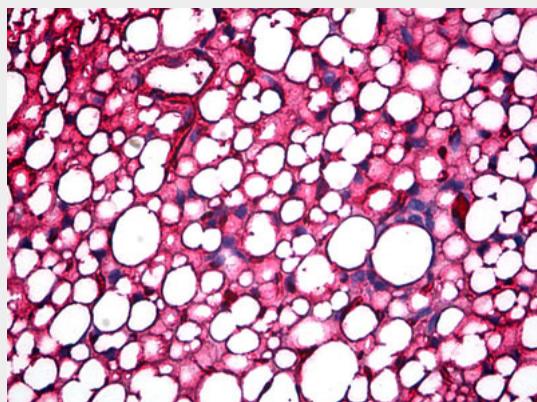
Provided below are standard protocols that you may find useful for product applications.

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

APOA1 / Apolipoprotein A 1 Antibody - Images



Anti-Apolipoprotein A I antibody IHC of mouse muscle.



Anti-Apolipoprotein A I antibody IHC of mouse kidney, adipose.

APOA1 / Apolipoprotein A 1 Antibody - Background

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.

APOA1 / Apolipoprotein A 1 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).