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APOA4 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7591a

Specification

APOA4 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P06727
Other Accession	P33621, A8MSL6
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**49-79**

APOA4 Antibody (N-term) - Additional Information

Gene ID 337

Other Names
Apolipoprotein A-IV, Apo-AIV, ApoA-IV, Apolipoprotein A4, APOA4

Target/Specificity
This APOA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-79 amino acids from the N-terminal region of human APOA4.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
APOA4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

APOA4 Antibody (N-term) - Protein Information

Name APOA4

Function May have a role in chylomicrons and VLDL secretion and catabolism. Required for

efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. Apoa-IV is a major component of HDL and chylomicrons.

Cellular Location
Secreted.

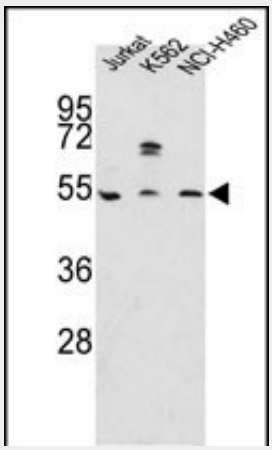
Tissue Location
Synthesized primarily in the intestine and secreted in plasma

APOA4 Antibody (N-term) - Protocols

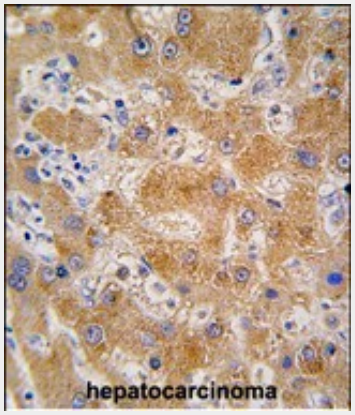
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

APOA4 Antibody (N-term) - Images



Western blot analysis of APOA4 Antibody (N-term) (Cat.#AP7591a) in Jurkat, K562, NCI-H460 cell line lysates (35ug/lane). APOA4 (arrow) was detected using the purified Pab.



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Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with APOA4 antibody (N-term) (Cat.#AP7591a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

APOA4 Antibody (N-term) - Background

The primary translation product of the APOA4 gene is a 396-residue preprotein which after proteolytic processing is secreted into its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro.

APOA4 Antibody (N-term) - References

Chien,K.L., Clin. Chim. Acta 388 (1-2), 78-83 (2008)
Bai,H., Acta Cardiol 63 (3), 315-322 (2008)