

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

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**APOA4 Antibody (N-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">P06727</a>
Other Accession	<a href="#">P33621</a> , <a href="#">A8MSL6</a>
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**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**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.

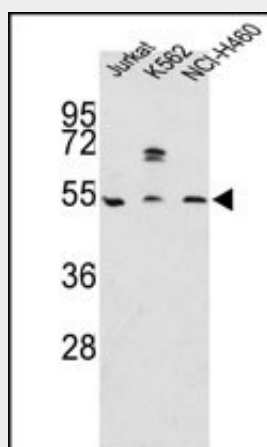
**Tissue Location**  
Synthesized primarily in the intestine and secreted in plasma

#### **APOA4 Antibody (N-term) - Protocols**

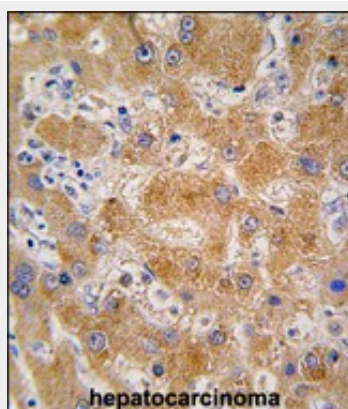
Provided below are standard protocols that you may find useful for product applications.

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



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)