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APOA4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7591a

Product Information

Application	WB, IHC-P, E
Primary Accession	P06727
Other Accession	P33621, A8MSL6
Reactivity	Human
Predicted	Monkey, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45372
Antigen Region	49-79

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~~1:100~500 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.

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

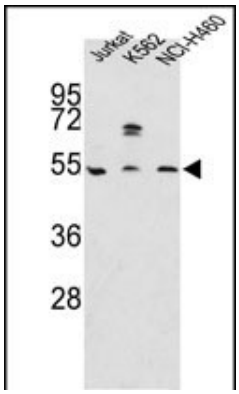
Background

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.

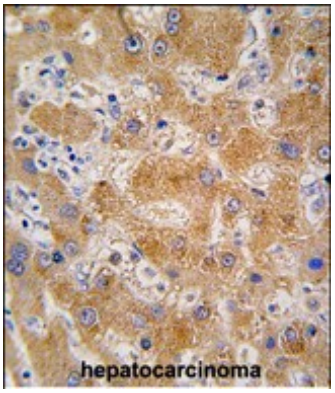
References

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.