

ApoA4 Antibody (NT)

ALTERNATE NAMES:	APOA4; Apolipoprotein A-IV; Apolipoprotein A4
CATALOG #:	6713-100
AMOUNT:	100 µl
HOST/ISOTYPE:	Rabbit IgG
IMMUNOGEN:	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.
PURIFICATION:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
MOLECULAR WEIGHT:	~43.4 kDa
FORM:	Liquid
FORMULATION:	Supplied in PBS with 0.09% (W/V) sodium azide.
SPECIES REACTIVITY:	Human. Predicted reactivity with monkey.
STORAGE CONDITIONS:	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

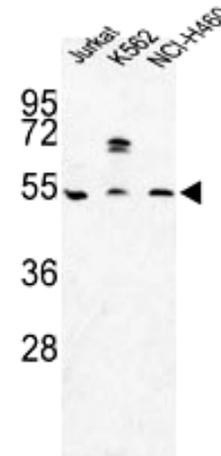
DESCRIPTION: Apolipoproteins are plasma lipoproteins that function as transporters of lipids and cholesterol in the circulatory system. Chylomicrons are a fundamental class of apolipoproteins containing very low-density lipoproteins (VLDL), intermediate-density lipoproteins (IDL), low-density lipoproteins (LDL), and high-density lipoproteins (HDL). Apolipoprotein A-IV (ApoA4) is a glycoprotein that exists as a free apolipoprotein in human plasma. ApoA4 activates the lecithin cholesterol acyl transferase to modulate the rate of lipid transfer protein (LTP) activity. Additional evidence suggests that ApoA4 may also act as an antioxidant to inhibit LDL oxidation in the atherosclerosis model.

APPLICATION: Western blot: ~1:1000, IHC: ~1:10-1:50.

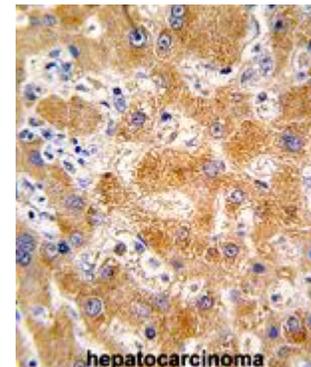
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

03/14

For research use only



Western blot analysis of APOA4 Antibody (N-term) (Cat # 6713-100) in Jurkat, K562, NCI-H460 cell line lysates (35 µg/lane). APOA4 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with APOA4 antibody (N-term) (Cat # 6713-100), 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.

RELATED PRODUCTS:

- ApoA-1, human recombinant (Cat # 4693-20, -100, -1000)
- ApoA-1, rat recombinant (Cat # 4695-20, -100, -1000)
- ApoA1 Antibody (NT) (Cat # 6712-100)
- ApoA5 Antibody (NT) (Cat # 6714-100)

FOR RESEARCH USE ONLY! Not to be used on humans.