10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# ApoA4 Antibody (NT)

**Rabbit Polyclonal Antibody**

**Catalog # ABV11263**

## Specification

### ApoA4 Antibody (NT) - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P06727 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **45372** |

### ApoA4 Antibody (NT) - Additional Information

**Gene ID** 337

| | |
|---|---|
| Positive Control | **Western blot: Jurkat, K562, NCI-H460 cell lysate, IHC: human hepatocarcinoma tissue.** |
| Application & Usage | **Western blot: ~1:1000, IHC: ~1:10-1:50.** |

**Other Names**
APOA4; Apolipoprotein A-IV; Apolipoprotein A4

**Target/Specificity**
ApoA4

**Antibody Form**
Liquid

**Appearance**
Colorless liquid

**Formulation**
100 µl of antibody in PBS with 0.09% (W/V) sodium azide

**Handling**
The antibody solution should be gently mixed before use.

**Reconstitution & Storage**
-20 °C

**Background Descriptions**

**Precautions**
ApoA4 Antibody (NT) is for research use only and not for use in diagnostic or therapeutic procedures.

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## ApoA4 Antibody (NT) - 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.

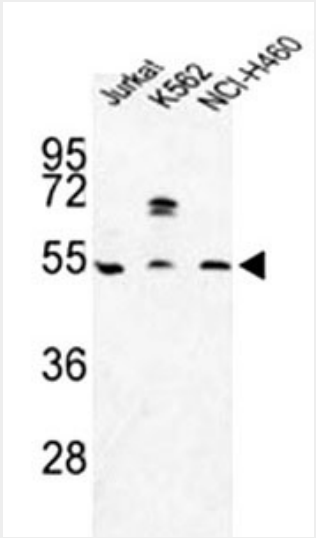
**Tissue Location**
Synthesized primarily in the intestine and secreted in plasma

## ApoA4 Antibody (NT) - 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 (NT) - Images




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

## ApoA4 Antibody (NT) - Background

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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.