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

# APOA2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7422c

## Product Information

| | |
|---|---|
| **Application** | IHC-P, WB, E |
| **Primary Accession** | P02652 |
| **Other Accession** | P18656 |
| **Reactivity** | Human |
| **Predicted** | Monkey, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB15149 |
| **Calculated MW** | 11175 |
| **Antigen Region** | 28-56 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 336 |
| **Other Names** | Apolipoprotein A-II, Apo-AII, ApoA-II, Apolipoprotein A2, Proapolipoprotein A-II, ProapoA-II, Truncated apolipoprotein A-II, Apolipoprotein A-II(1-76), APOA2 |
| **Target/Specificity** | This APOA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the Central region of human APOA2. |
| **Dilution** | IHC-P~~1:100~500 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** | APOA2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

| | |
|---|---|
| **Name** | APOA2 |
| **Function** | May stabilize HDL (high density lipoprotein) structure by its association with |

lipids, and affect the HDL metabolism.

**Cellular Location** Secreted.

**Tissue Location** Plasma; synthesized in the liver and intestine.

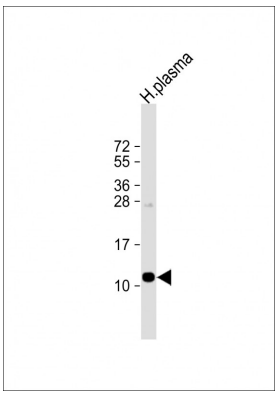
## Background

APOA2, apolipoprotein (apo-) A-II, which is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in apolipoprotein A-II deficiency or hypercholesterolemia.

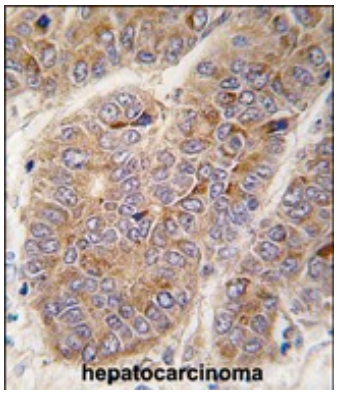
## References

Duesing,K., BMC Med. Genet. 10, 13 (2009)
Atta,M., Thromb. Haemost. 100 (3), 391-396 (2008)
Blanco-Vaca,F., J. Lipid Res. 42 (11), 1727-1739 (2001)

## Images




Anti-APOA2 Antibody (Center) at 1:1000 dilution + human plasma lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.




Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with APOA2 antibody (Center) (Cat.#AP7422c), 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'.