

## Rabbit anti-Human APOA1 Polyclonal Antibody | anti-APOA1 antibody

APOA1 Antibody (N-term)

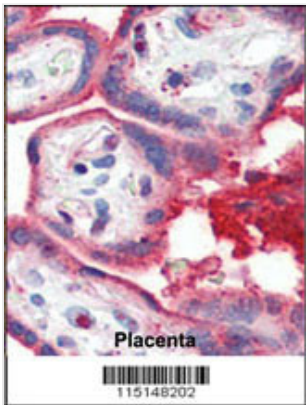
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA286286 | Rabbit | Human      | Western Blot, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

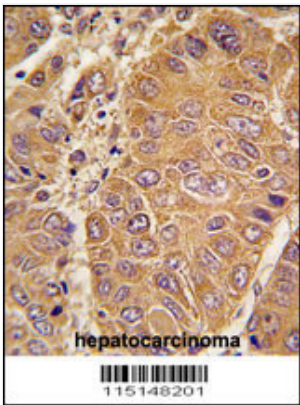
APOA1; Polyclonal Antibody; APOA1 Antibody (N-term); Apolipoprotein A-I; Apo-AI; ApoA-I; Apolipoprotein A1; Proapolipoprotein A-I; ProapoA-I; Truncated apolipoprotein A-I; Apolipoprotein A-I(1-242); anti-APOA1 antibody

### PRODUCT SPECIFICATIONS

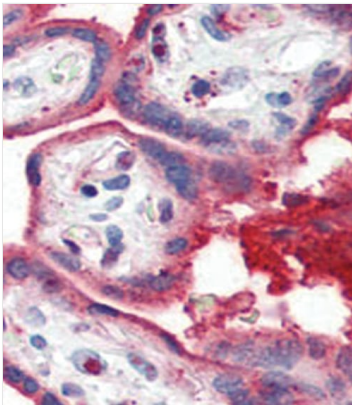
|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This APOA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-37 amino acids from the N-terminal region of human APOA1.                      |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/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. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 10-37                                                                                                                                                                                     |
| Sequence Length                                 | 267                                                                                                                                                                                       |
| Applicable Applications for anti-APOA1 antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                                                      |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



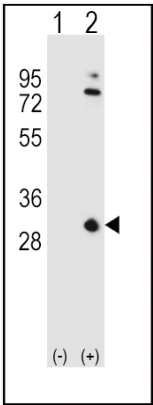
**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human Placenta tissue reacted with APOA1 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



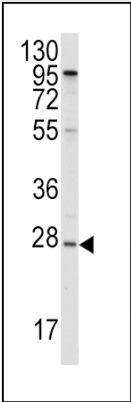
**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with APOA1 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**IHC (Immunohistochemisry)**  
Formalin-fixed and paraffin-embedded human Placenta tissue reacted with APOA1 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of APOA1 (arrow) using rabbit polyclonal APOA1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the APOA1 gene.



**WB (Western Blot)**  
Western blot analysis of anti-APOA1 Antibody (N-term) in HepG2 cell line lysates (35ug/lane). APOA1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-APOA1 antibody | Apolipoprotein A-I, is the major protein component of high density lipoprotein (HDL) in plasma. APOA1 promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the APOA1 gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. |
| Product Categories/Family for anti-APOA1 antibody   | Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                          | Simo,R., Arch. Ophthalmol. 126 (8), 1076-1081 (2008)<br>Shanker,J., Lipids Health Dis 7, 33 (2008)<br>Brewer,H.B. Jr., Biochem. Biophys. Res. Commun. 80 (3), 623-630 (1978)                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 4557321                                        |
| NCBI GeneID                      | 335                                            |
| NCBI Accession #                 | NP_000030.1                                    |
| NCBI GenBank Nucleotide #        | NM_000039.1                                    |
| UniProt Accession #              | P02647; Q6LDN9; Q6Q785; Q9UCS8; Q9UCT8; A8K866 |
| Molecular Weight                 | 30778                                          |
| NCBI Official Full Name          | apolipoprotein A-I preproprotein               |
| NCBI Official Synonym Full Names | apolipoprotein A-I                             |
| NCBI Official Symbol             | APOA1                                          |
| NCBI Protein Information         | apolipoprotein A-I                             |
| UniProt Protein Name             | Apolipoprotein A-I                             |
| UniProt Gene Name                | <b>APOA1</b>                                   |
| UniProt Synonym Gene Names       | Apo-AI; ApoA-I; ProapoA-I                      |
| UniProt Entry Name               | APOA1_HUMAN                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.