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Datasheet for ABIN3021495  
**anti-APOA1 antibody (AA 20-267)**

4 Images

Overview

Quantity:	100 µL
Target:	APOA1
Binding Specificity:	AA 20-267
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-267 of human APOA1 (NP_000030.1).
Sequence:	HFQQDEPPQ SPWDRVKDLA TVYVDVLKDS GRDYVSQFEG SALGKQLNLK LLDNWDSVTS TFSKLRQLG PVTQEFWDNL EKETEGLRQE MSKDLEEVKA KVQPYLDDFQ KKWQEEMELY RQKVEPLRAE LQEGARQLH ELQEKLSPLG EEMRDRARAH VDALRTHLAP YSDELRQLA ARLEALKENG GARLAEYHAK ATEHLSTLSE KAKPALEDLR QGLLPVLESF KVSFLSALEE YTKKLNTQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	APOA1
Alternative Name:	APOA1 ( <a href="#">APOA1 Products</a> )
Background:	<p>This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein.</p> <p><a href="#">APOA1,apo(a),Cancer,Signal Transduction,Endocrine &amp; Metabolism,Lipid Metabolism,Neuroscience,Neurodegenerative Diseases,Cardiovascular,Heart,Lipids,Lipoproteins/Apolipoproteins,Cardiovascular diseases,Heart disease,APOA1</a></p>
Molecular Weight:	30 kDa
Gene ID:	335
UniProt:	<a href="#">P02647</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Lipid Metabolism</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

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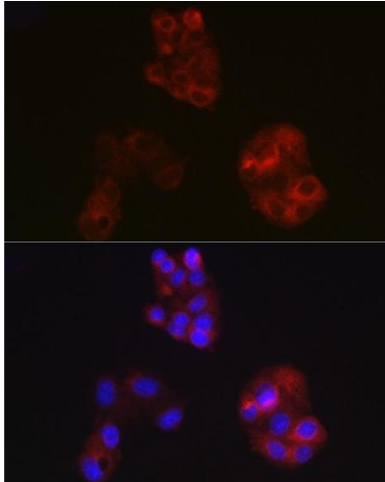
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles

## Handling

Storage: -20 °C

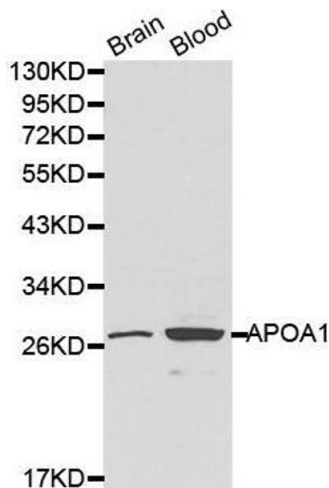
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



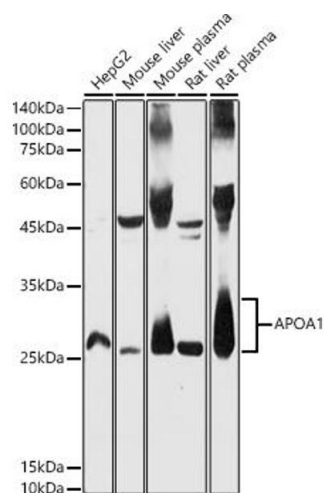
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of HepG2 cells using Rabbit pAb (ABIN3021494, ABIN3021495, ABIN3021496 and ABIN6215152) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.**



### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using antibody (ABIN3021494, ABIN3021495, ABIN3021496 and ABIN6215152) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3021495.