

For Research Use Only

# APOE Polyclonal antibody

Catalog Number: 30535-1-AP

Featured Product



## Basic Information

<b>Catalog Number:</b> 30535-1-AP	<b>GenBank Accession Number:</b> BC003557	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 348	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> apolipoprotein E	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HuH-7 cells
<b>Species Specificity:</b> Human	<b>IF :</b> HepG2 cells,

## Background Information

The apolipoprotein E (APOE) is a 299-amino acid polypeptide that mediates the binding, internalization, and catabolism of lipoprotein particles, and also serves as a ligand for the LDL (apo B/E) receptor and for the specific apo-E receptor (chylomicron remnant) of hepatic tissues. The very strong association of the APOE ε4 allele with AD risk and its role in the accumulation of amyloid β in brains of people and animal models solidify the biological relevance of APOE isoforms but do not provide mechanistic insight.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

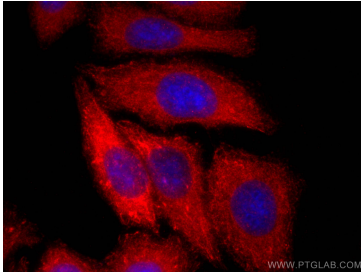
For technical support and original validation data for this product please contact:

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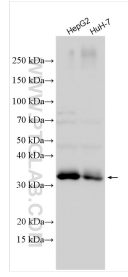
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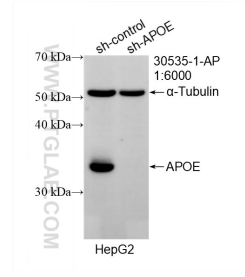
## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using APOE antibody (30535-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 30535-1-AP (APOE antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



WB result of APOE antibody (30535-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-APOE transfected HepG2 cells.