For Research Use Only

APOE Recombinant antibody

Catalog Number:84775-6-RR

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Basic Information

Catalog Number:
84775-6-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC003557

GeneID (NCBI):
348

UNIPROT ID:
P02649

Full Name:
Apolipoprotein E

Calculated MW:
36 kDa

Observed MW:
34-38 kDa

Purification Method:
Protein A purfication

CloneNo.:
242310B3

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : HepG2 cells, HuH-7 cells, human placenta

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 (PMID: 9831633).

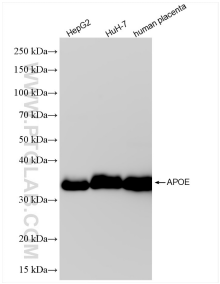
Storage

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

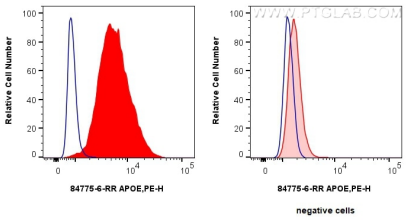
***** 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

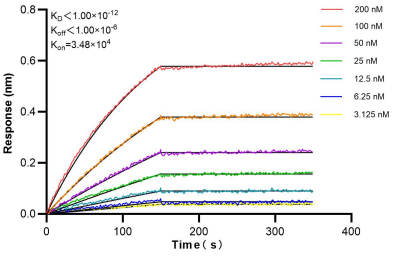
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84775-6-RR (APOE antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug APOE Recombinant antibody (84775-6-RR, Clone:242310B3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84775-6-RR against Human APOE were performed. The affinity constant is below 1 pM.