

For Research Use Only

# CoraLite® Plus 488-conjugated APOE Recombinant antibody

Catalog Number: CL488-84775-7



## Basic Information

Catalog Number:

CL488-84775-7

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0448

GenBank Accession Number:

BC003557

GeneID (NCBI):

348

UNIPROT ID:

P02649

Full Name:

Apolipoprotein E

Calculated MW:

36 kDa

Purification Method:

Protein A purification

CloneNo.:

242310B2

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : 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 4 allele with AD risk and its role in the accumulation of amyloid  $\beta$  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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

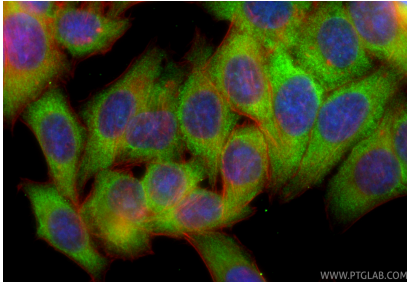
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 APOE antibody (CL488-84775-7, Clone: 242310B2 ) at dilution of 1:200, CL594-Phalloidin (red).