

For Research Use Only

CoraLite® Plus 488-conjugated APOE Polyclonal antibody

Catalog Number: CL488-31454



Basic Information

Catalog Number:

CL488-31454

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1093

GenBank Accession Number:

NM_001305819.1

GeneID (NCBI):

11816

UNIPROT ID:

P08226

Full Name:

Apolipoprotein E

Calculated MW:

36kDa

Observed MW:

31-36 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IF-P: 1:50-1:500

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P: mouse brain tissue,

IF/ICC: BV-2 cells,

Background Information

Apolipoprotein E (ApoE) is a core component of plasma lipoproteins that participates in diverse biological processes, including plasma lipoprotein metabolism, intracellular cholesterol utilization, cell growth, immunoregulation, and neuronal growth and repair (PMID: 17854398). Mouse apoE, like apoE4, contains the equivalent of Arg-112 and Glu-255, but lacks the critical Arg-61 equivalent (it contains Thr-61). Thus, mouse apoE does not display apoE4 domain interaction (PMID: 11553788).

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:

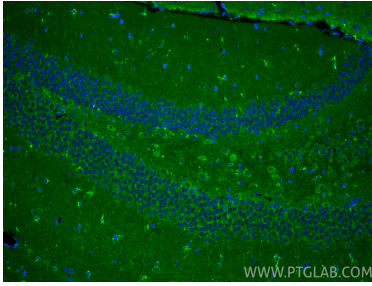
T: 4006900926

E: Proteintech-CN@ptglab.com

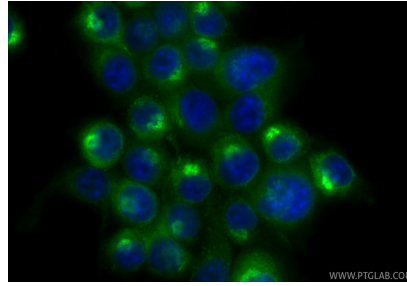
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 APOE antibody (CL488-31454) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed BV-2 cells using CoraLite® Plus 488 APOE antibody (CL488-31454) at dilution of 1:200.