

For Research Use Only

Apolipoprotein E Polyclonal antibody

Catalog Number: 31454-1-AP



Basic Information

Catalog Number:

31454-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

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:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig

Positive Controls:

WB : U-251 cells, BV-2 cells, C2C12 cells, mouse brain tissue, mouse skeletal muscle tissue, mouse cerebellum tissue, rat brain tissue, pig cerebellum tissue

IF/ICC : HepG2 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. 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

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

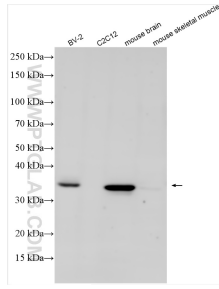
T: 4006900926

E: Proteintech-CN@ptglab.com

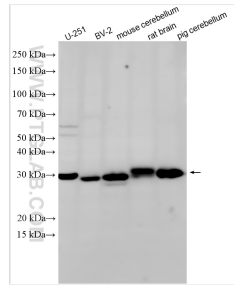
W: ptgcn.com

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

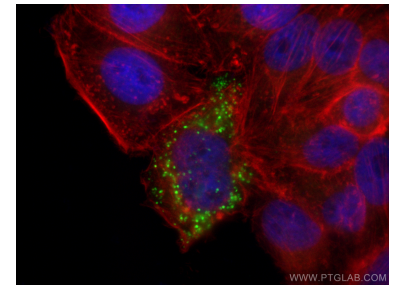
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31454-1-AP (Apolipoprotein E antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 31454-1-AP (Apolipoprotein E antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Apolipoprotein E antibody (31454-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).