For Research Use Only

APOE Monoclonal antibody, PBS Only

Catalog Number:66830-1-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66830-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28186

GenBank Accession Number:
BC003557

GeneID (NCBI):
348

UNIPROT ID:
P02649

Full Name:
Apolipoprotein E

Calculated MW:
36 kDa

Observed MW:
34-36 kDa

Purification Method:
Protein G purification

CloneNo.:
1B2C9

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

Species Specificity:
human, mouse

Background Information

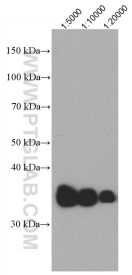
The apolipoprotein E (APOE) is a 299-amino acid polypeptide that mediates the binding, internalization, and catabolism of lipoprotein particles, and also serve as a ligand for the LDL (APO B/E) receptor and for the specific APOE receptor (chylomicron remnant) of hepatic tissues. The very strong association 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

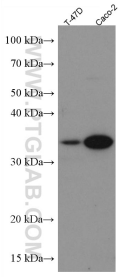
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

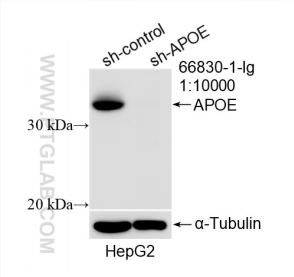


human plasma was subjected to SDS PAGE followed by western blot with 66830-1-Ig (APOE antibody) at a range of dilutions from 1:5000 to 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.

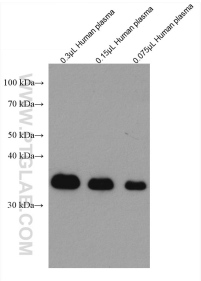


Various lysates were subjected to SDS PAGE followed by western blot with 66830-1-Ig (APOE antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.

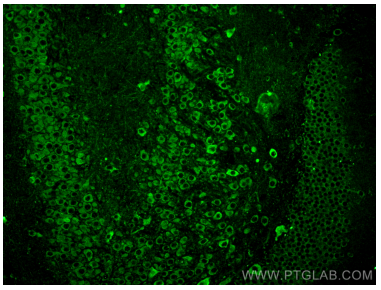
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66830-1-Ig (APOE antibody) at dilution of 1:0 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.



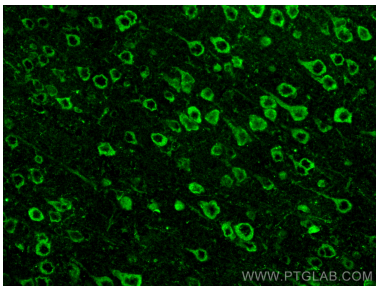
WB result of APOE antibody (66830-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-APOE transfected HepG2 cells. This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.



human plasma were subjected to SDS PAGE followed by western blot with 66830-1-Ig (APOE antibody) at dilution of 1:3400 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using APOE antibody (66830-1-Ig, Clone: 1B2C9) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.



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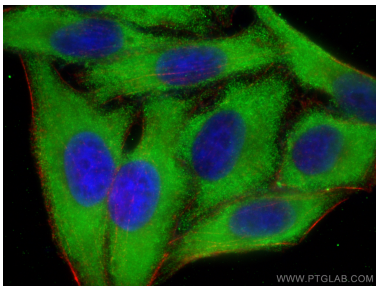
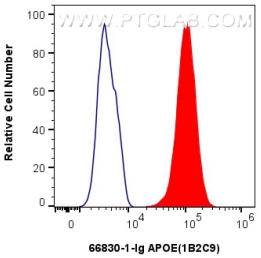


Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using APOE antibody (66830-1-Ig, Clone: 1B2C9) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66830-1-PBS in a different storage buffer formulation.



1x10^6 HepG2 cells were intracellularly stained with 0.8 ug APOE Monoclonal antibody (66830-1-Ig, Clone:1B2C9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer. This data was developed using the same antibody clone with 66830-1-PBS in a