

For Research Use Only

Mouse Apoe Recombinant antibody, PBS Only

Catalog Number:83728-4-PBS



Basic Information

Catalog Number:

83728-4-PBS

Size:

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

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:

36 kDa

Purification Method:

Protein A purification

CloneNo.:

240786C3

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

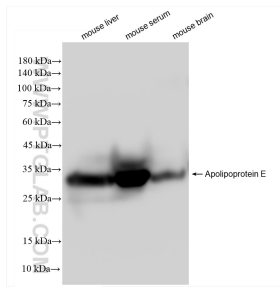
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

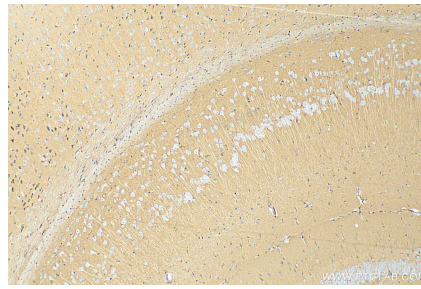
E: proteintech@ptglab.com
W: ptglab.com

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

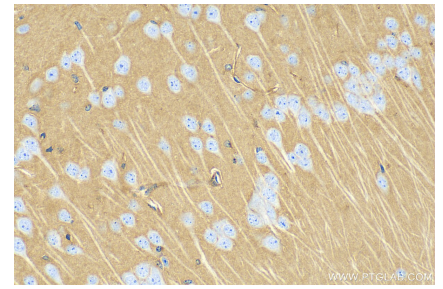
Selected Validation Data



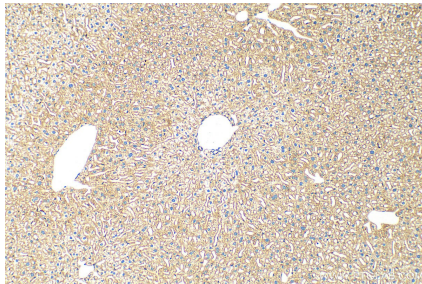
Various lysates were subjected to SDS PAGE followed by western blot with 83728-4-RR (ApoE antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



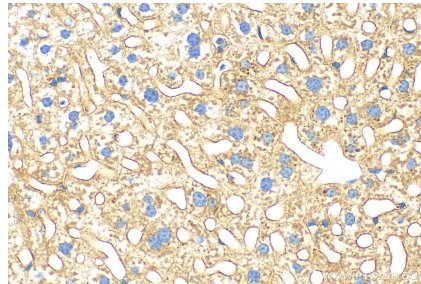
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83728-4-RR (Apolipoprotein E antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



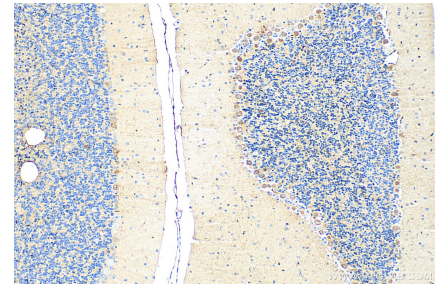
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83728-4-RR (Apolipoprotein E antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



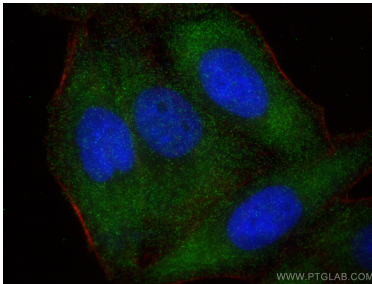
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83728-4-RR (Apolipoprotein E antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



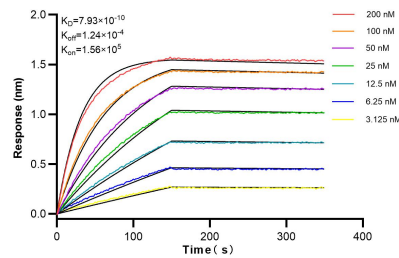
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83728-4-RR (Apolipoprotein E antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 83728-4-RR (Apolipoprotein E antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ApoE antibody (83728-4-RR, Clone: 240786C3) at dilution of 1:250 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83728-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83728-4-RR against Mouse Apolipoprotein E were performed. The affinity constant is 0.793 nM.