

Anti-APO-E Antibody

Catalog Number: A00015-1

About APOE

Chylomicron remnants and very low density lipoprotein (VLDL) remnants are rapidly removed from the circulation by receptor-mediated endocytosis in the liver. Apolipoprotein E (APO-E), a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. Defects in APO-E result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants.

Overview

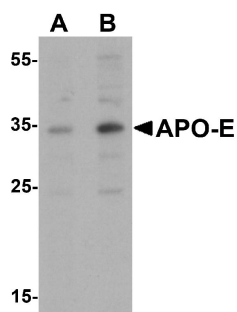
Product Name	Anti-APO-E Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-APO-E Antibody (Catalog # A00015-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal Clone: SK7
Formulation	APO-E Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	APO-E antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P02649

Technical Details

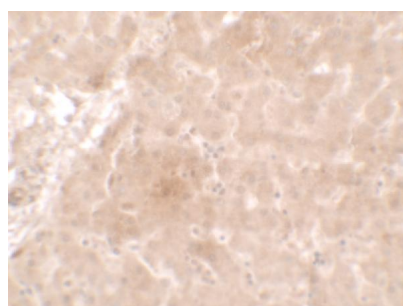
Immunogen	APO-E antibody was raised against a 19 amino acid peptide near the carboxy terminus of human APO-E. The immunogen is located within amino acids 220 - 270 of APO-E.
Predicted Reactive Species	Pig
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	APO-E Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the

optimal dilution ratio for your samples.
Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used:
APO-E antibody can be used for detection of APO-E by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.
Antibody validated: Western Blot in human samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

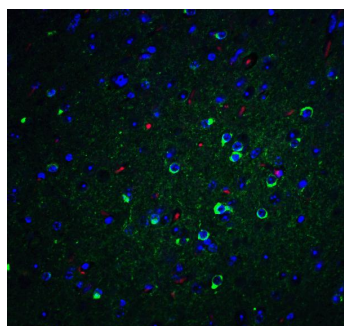
Anti-APO-E Antibody (A00015-1) Images



Western blot analysis of APO-E in human brain tissue lysate with APO-E antibody at (A) 0.5 and (B) 1 ug/mL.

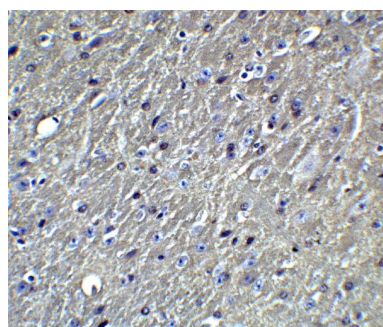


Immunohistochemistry of APO-E in human liver tissue with APO-E antibody at 2.5 ug/ml.



Immunofluorescence of APO E in mouse brain tissue with APO E Antibody at 20 ug/mL.

Green: APO E antibody (A00015-1)
Red: Phylloidin staining
Blue: DAPI staining



Immunohistochemistry of APO E in mouse brain tissue with APO E Antibody at 5 ug/mL.

1 Publications Citing This Product

1. PubMed ID: 33061590, Xue Y, Huang S, Huang J, Li S, Zhang C, Zhou X. Identification of Apolipoprotein E as a Potential Diagnostic Biomarker of Nasopharyngeal Carcinoma. Cancer Manag Res. 2020 Sep 24;12:8943-8950. doi:10.2147/CMAR. S239479. PMID:33061590; PMCID:PMC7522425.

Visit [bosterbio.com/anti-apo-e-antibody-a00015-1-boster.html](https://www.bosterbio.com/anti-apo-e-antibody-a00015-1-boster.html) to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-APO-E Antibody