BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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# 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

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| 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 |
| 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

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| 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 | 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. |

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| | 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. |

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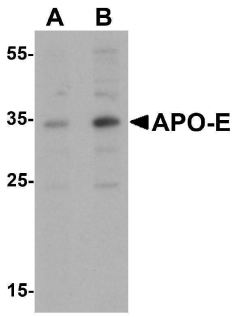
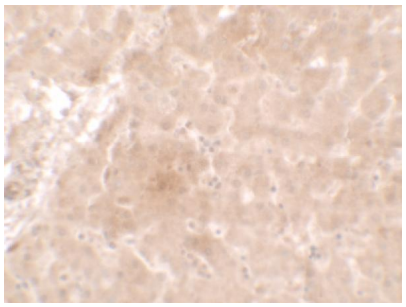
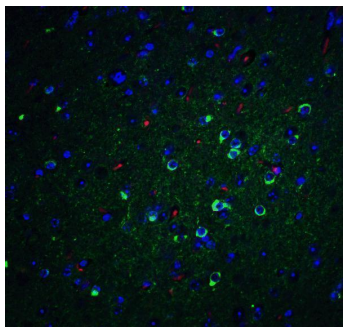
# Anti-APO-E Antibody (A00015-1) Images



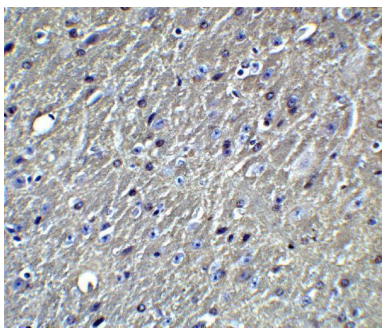

Western blot analysis of APO-E in human brain tissue lysate with APO-E antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of APO-E inhuman 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 to see all 1 publications.

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For Research Use Only. Not for use in diagnostic procedures.