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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Apolipoprotein E APOE Antibody

Catalog Number: A00015-3

About APOE

Anti-Glycogen Synthase 1 pS641 antibody is validated by IHC, Western Blot and ELISA. Human muscle glycogen synthase (GS) is responsible for the biosynthesis of glycogen from phosphorylated glucose units. Mammalian liver and muscle contain GS consisting of four subunits with a total molecular weight of 360,000. GS is subject to regulation through both allosteric and covalent modification and occurs in two forms: the phosphorylated inactive form, and the dephosphorylated active form. GS is inactivated by the serine/threonine kinase called glycogen synthase kinase-3 that mainly functions to phosphorylate muscle glycogen synthase. This antibody is specific for the phosphorylated form of GS at S641. Phosphorylation of GS at S641 has been associated with Antiphospholipid Antibody Syndrome.

Overview

Product Name	Anti-Apolipoprotein E APOE Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Apolipoprotein E APOE Antibody catalog # A00015-3. Tested in WB,ICC/IF,IHC,IP applications. This antibody reacts with Human,Mouse.
Application	IP, IF, IHC, ICC, WB
Clonality	Polyclonal PI9-17
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02649

Technical Details

Immunogen	Recombinant peptide derived from ATM
Predicted Reactive Species	Bovine, Chicken
Cross Reactivity	Weakly cross-reacts with dog p53.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified

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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: WB: 1:1,000-1:5,000 ICC: 1:50-1:200 IHC: 1:50-1:200

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Anti-Apolipoprotein E APOE Antibody (A00015-3) Images

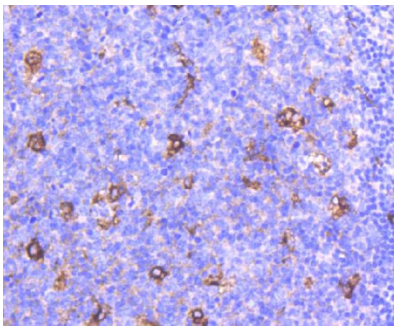

Figure 2. Immunohistochemistry validation of APOE using Anti-Apolipoprotein E APOE Antibody (A00015-3).

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Apolipoprotein E antibody. Counter stained with hematoxylin.
For more protocol information of IHC

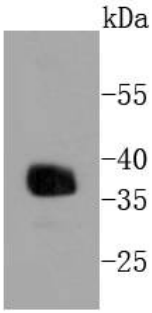

Figure 1. Western blotting validation for Anti-Apolipoprotein E APOE Antibody A00015-3

Western blot analysis of Apolipoprotein E on human kidney lysates using anti-Apolipoprotein E antibody at 1/1

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.

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