

Datasheet for ABIN5596681
anti-APOE antibody



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Overview

Quantity:	500 µg
Target:	APOE
Reactivity:	Human, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	APOLIPOPROTEIN E Antibody
Immunogen:	Immunogen: Apolipoprotein Type E was isolated from human plasma by density gradient centrifugation followed by HPLC purification. Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Typically less than 1 % cross-reactivity against other types of apoLipoprotein was detected by ELISA against purified standards.
Characteristics:	Synonyms: goat anti-Apolipoprotein E3 antibody, Alzheimer disease 2 antibody, Apo-E antibody, Apo E antibody, ApoE antibody, APOEA antibody, Apolipoprotein-E antibody, Apoprotein antibody
Purification:	Anti-Apolipoprotein E has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other apoLipoproteins and human

Product Details

serum proteins to remove any unwanted specificities.

Sterility: Sterile filtered

Target Details

Target: APOE

Alternative Name: APOE ([APOE Products](#))

Background: Background: Anti Apolipoprotein E Antibody recognizes the gene product of APOE. Apolipoprotein E is found in the chylomicron and IDLs that binds to a specific receptor on liver cells and peripheral cells. Apolipoprotein E is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This antibody is suitable for cardiovascular research.

Gene ID: 348

NCBI Accession: [NP_000032](#)

UniProt: [P02649](#)

Pathways: [Regulation of Cell Size, Lipid Metabolism](#)

Application Details

Application Notes: Immunohistochemistry Dilution: 1:50 - 1:200
Application Note: Apolipoprotein E antibodies have been tested by western blot and used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting for highly sensitive qualitative analysis.
Western Blot Dilution: 1:500 - 1:2,000
Immunoprecipitation Dilution: 1:100
ELISA Dilution: 1:4,000 - 1:8,000
Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: Buffer: 0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0
Stabilizer: None

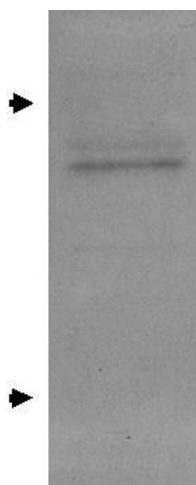
Handling

	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	Lu, Yuan, Wang, Zhang, Yuan, Wu, Zhou, He, Lu, Chen, Fan, Liang, Cheng: "Spontaneous severe hypercholesterolemia and atherosclerosis lesions in rabbits with deficiency of low-density lipoprotein receptor (LDLR) on exon 7." in: EBioMedicine , Vol. 36, pp. 29-38, (2019) (PubMed).
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Images



Western Blotting

Image 1. Western Blot of Rabbit Anti Apolipoprotein E Antibody. Lane 1: rat glial whole cell lysate. Load: 40 µg per lane. Primary antibody: Apolipoprotein E antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP rabbit secondary antibody at 1:200 for 45 min at RT. Block: 3%BLOTTO overnight at 4°C. Predicted/Observed size: 36 kDa, 35-36 kDa for APO-E. MW markers arrows at 25kDa and 37kDa. Other band(s): ~55kDa.