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Datasheet for ABIN2857040 anti-APOE antibody (C-Term)

6 Images



Overview

Quantity:	100 µL
Target:	APOE
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Apolipoprotein E. The exact sequence is proprietary.
lsotype:	lgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to Apolipoprotein E (apolipoprotein E) Apolipoprotein E antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

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Target Details

-	
Target:	APOE
Alternative Name:	apolipoprotein E (APOE Products)
Background:	Chylomicron remnants and very low density lipoprotein (VLDL) remnants are rapidly removed
	from the circulation by receptor-mediated endocytosis in the liver. Apolipoprotein E, a main
	apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells.
	ApoE is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. The
	APOE gene is mapped to chromosome 19 in a cluster with APOC1 and APOC2. Defects in
	apolipoprotein 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.
	Cellular Localization: Secreted
Molecular Weight:	36 kDa
Gene ID:	348
UniProt:	P02649
Pathways:	Regulation of Cell Size, Lipid Metabolism
Application Details	
Application Notes:	WB: 1:500-1:20000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. ELISA: 1:1000-
	1:10000. Optimal dilutions/concentrations should be determined by the researcher. Not tested
	in other applications.
Comment:	Positive Control: Conditional medium from differentiated human primary preadipocyte , HepG2
	human plasma
Restrictions:	For Research Use only
Handling	
Format:	Liquid

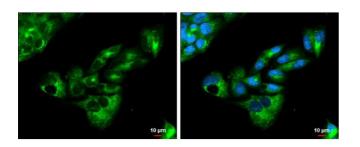
Format:	Liquid
Concentration:	0.66 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

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Handling

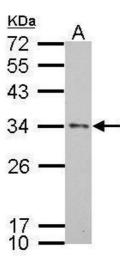
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage
	(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid
	multiple freeze-thaw cycles.

Images



Immunofluorescence

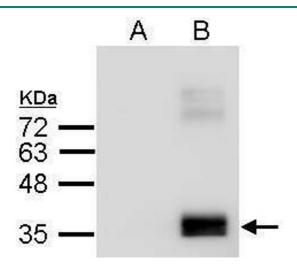
Image 1. ICC/IF Image Apolipoprotein E antibody [C2C3], Cterm detects Apolipoprotein E protein at cytoplasm by immunofluorescent analysis. Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Apolipoprotein E protein stained by Apolipoprotein E antibody [C2C3], C-term , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = $10 \mu m$.



Western Blotting

Image 2. WB Image Apolipoprotein E antibody [C2C3], Cterm detects APOE protein by Western blot analysis. A. 30 µg HepG2 whole cell lysate/extract 12 % SDS-PAGE Apolipoprotein E antibody [C2C3], C-term , dilution: 1:1000

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Western Blotting

Image 3. WB Image Sample (2.5 ug of whole cell lysate) A: Conditional medium from human primary preadipocyte B: Conditional medium from differentiated human primary preadipocyte 12% SDS PAGE antibody diluted at 1:2000

Please check the product details page for more images. Overall 6 images are available for ABIN2857040.