Datasheet for ABIN3043523

anti-APOE antibody (AA 19-317)

2 Images

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Overview

Quantity:	100 µg
Target:	APOE
Binding Specificity:	AA 19-317
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Apolipoprotein E/APOE Antibody Picoband®
Immunogen:	E.coli-derived human Apolipoprotein E recombinant protein (Position: K19-H317). Human Apolipoprotein E shares 73% and 72% amino acid (aa) sequence identity with mouse and rat Apolipoprotein E, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Apolipoprotein E/APOE Antibody Picoband® (ABIN3043523). Tested in ELISA, Flow Cytometry, IHC, IF, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing

Product Details

	antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	APOE
Alternative Name:	APOE (APOE Products)
Background:	Synonyms: Apolipoprotein E,Apo-E,APOE, Tissue Specificity: Occurs in all lipoprotein fractions in plasma. It constitutes 10-20 % of very low density lipoproteins (VLDL) and 1-2 % of high density lipoproteins (HDL). APOE is produced in most organs. Significant quantities are produced in liver, brain, spleen, lung, adrenal, ovary, kidney and muscle. Background: APOE is also known as AD2 or LPG. The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene 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. Alternative splicing results in multiple transcript variants. Sequence Similarities: Belongs to the apolipoprotein A1/A4/E family.
Molecular Weight:	36 kDa
Gene ID:	348
UniProt:	P02649
Pathways:	Regulation of Cell Size, Lipid Metabolism

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL Immunofluorescence, 5 µg/mL Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells ELISA (Cap), 1-5 µg/mL1. Calabuig-Navarro MV, et al. Apolipoprotein E genotype has a modest impact on the postprandial plasma response to meals of varying fat composition in healthy

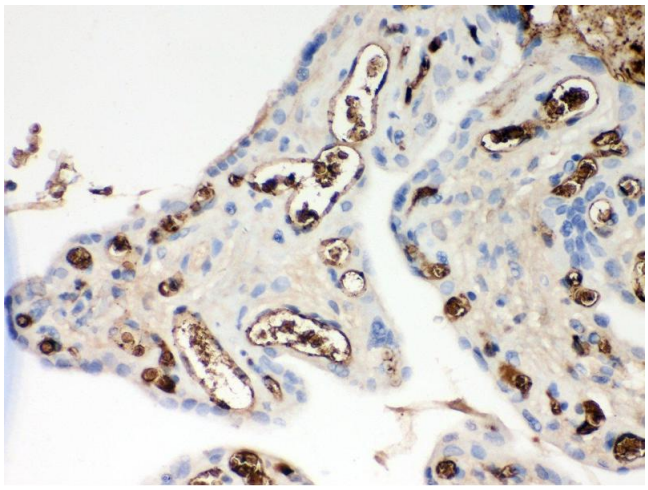
Application Details

	men in a randomized controlled trial. J Nutr, 2014 Nov. 2. APOE ε variants increase risk of warfarin-related intracerebral hemorrhage.Falcone GJ, et al. Neurology, 2014 Sep 23.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

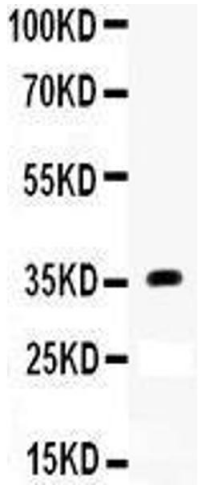
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Anti- Apolipoprotein E Picoband antibody, IHC(P) IHC(P): Human Placenta Tissue



Western Blotting

Image 2.

