

Datasheet for ABIN2785631
anti-APOE antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	APOE
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	LMDETMKELK AYKSELEEQL TPVAEETRAR LSKELQAAQA RLGADMEDVC
Predicted Reactivity:	Human: 100%, Mouse: 93%, Rat: 93%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against APOE. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	APOE
Alternative Name:	APOE (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

Target Details

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.

Alias Symbols: AD2, LDLCQ5, LPG, MGC1571

Protein Interaction Partner: LCAT, ARFGAP1, ALB, C19orf52, LOXL4, PRAM1, MID1IP1, ANKH, FBXL12, FXYP7, ECSIT, PDCD4, IFIT5, MAST1, EPN2, PLEKHA6, CDC37, IQSEC1, LONP1, TYRO3, PRDX2, ST13, RPL4, RHEB, PSEN1, HTRA1, PCMT1, ZNF558, NOS3, IFIT3, GCDH, FOXG1, FARSA, ELAVL1, CYP2C18, CYP2C

Protein Size: 317

Molecular Weight: 34 kDa

Gene ID: 348

NCBI Accession: [NM_000041](#), [NP_000032](#)

UniProt: [P02649](#)

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

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 317 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

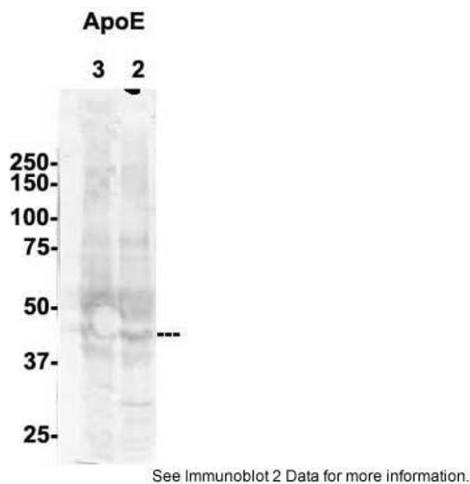
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Sample Type: 2. mouse brain extracts (80ug)
3. rat brain extract (80ug)

Primary Antibody Dilution: 2ug/ml

Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

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