Datasheet for ABIN3029997

anti-APOE antibody (AA 263-292)

3 Images

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Overview

Quantity:	0.4 mL
Target:	APOE
Binding Specificity:	AA 263-292
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 263-292 from the human protein was used as the immunogen for this ApoE antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Primate, Rabbit
Purification:	Antigen affinity purified

Target Details

Target:	APOE
Alternative Name:	ApoE (Apolipoprotein E) (APOE Products)
Background:	Chylomicron remnants and very low density lipoprotein (VLDL) remnants are rapidly removed

Target Details

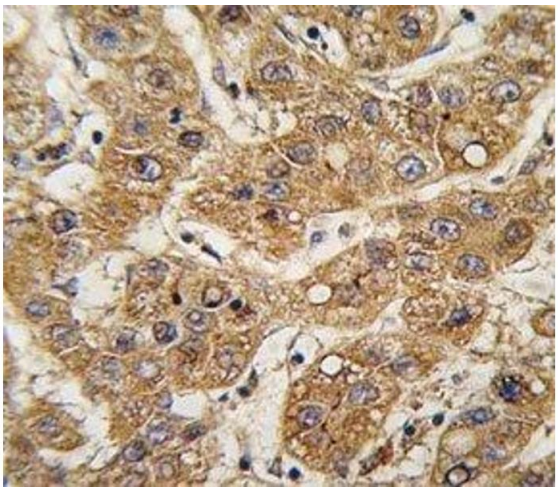
	from the circulation by receptor-mediated endocytosis in the liver. Apolipoprotein E, a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells. ApoE is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. The APOE gene is mapped 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.
UniProt:	P02649
Pathways:	Regulation of Cell Size, Lipid Metabolism

Application Details

Application Notes:	Titration of the ApoE antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

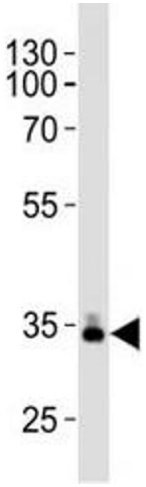
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the ApoE antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



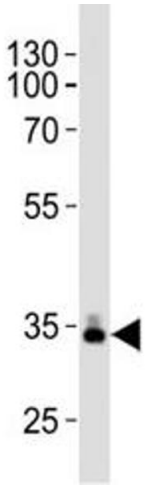
Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma tissue stained with ApoE antibody



Western Blotting

Image 2. Western blot analysis of lysate from human plasma tissue lysate using ApoE antibody diluted at 1:1000. Predicted molecular weight: 34-37 kDa



Western Blotting

Image 3. Western blot analysis of lysate from human plasma tissue lysate using ApoE antibody diluted at 1:1000. Predicted molecular weight: 34-37 kDa