

Datasheet for ABIN1820137
anti-APOE antibody (AA 140-160) (Biotin)



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Overview

Quantity:	0.1 mg
Target:	APOE
Binding Specificity:	AA 140-160
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APOE antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified ApoHDL fraction.
	Type of Immunogen: Purified protein
Clone:	WUE-4
Isotype:	IgG1
Specificity:	Recognizes an epitope within amino acids 140-160 of human apolipoprotein E (Apo-E), a major component of very low-density lipoproteins (VLDLs). Apo-E is the principle apolipoprotein in the central nervous system, and is secreted by most organs into the plasma, playing a vital role in the binding, internalization and catabolism of triglyceride-rich lipoprotein constituents. Apo-E acts as a ligand for both the specific apo-E receptor (chylomicron remnant) of hepatic tissues, and the apoB, E (LDL) receptor. Three isoforms of Apo-E have been identified, ApoE2, E3 and

Product Details

E4, and have been linked with various disorders. ApoE2 has been shown to bind LPL receptors with low affinity, resulting in increased plasma cholesterol and triglyceride levels, and thereby an increased risk in cardiovascular disorders. ApoE4 is a known high risk factor for Alzheimer's disease, and in particular late onset Alzheimer disease 2 (AD2), whilst ApoE3 is the most common isoform, and considered the normal/natural Apo-E genotype. Clone 6-4 has been shown to inhibit Apo-E mediated binding of lipoproteins to the apoB, E cell receptor.

Purification: Protein G purified

Target Details

Target: APOE

Alternative Name: APOE / Apolipoprotein E ([APOE Products](#))

Background: Name/Gene ID: APOE

Synonyms: APOE, AD2, Apo-E, Apolipoprotein E3, Apolipoprotein E, LDLQC5, LPG

Gene ID: 348

UniProt: [P02649](#)

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

Application Details

Application Notes: Approved: ELISA, WB

Usage: The applications listed have been tested for the unconjugated form of this product.
Other forms have not been tested.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, 0.09 % sodium azide, 1 % BSA

Preservative: Sodium azide

Handling

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:	4°C or -20°C, Avoid freeze-thaw cycles.