

Datasheet for ABIN181668

anti-APOE antibody (Isoform E3)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	APOE
Binding Specificity:	Isoform E3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOE antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (> 98 %) recombinant human ApoE3
Specificity:	This antibody detects ApoE3. Cross reacts with ApoE2 and ApoE4.
Purification:	Immunoaffinity chromatography

Target Details

Target:	APOE
Alternative Name:	Apolipoprotein E (Apo E) (APOE Products)
Background:	Apolipoprotein E is essential for the normal catabolism of triglyceride rich lipoprotein constituents. The apolipoprotein E 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

Target Details

	consequence of impaired clearance of chylomicron and VLDL remnants. Mutations in the APOE gene confer susceptibility to Alzheimer's disease by affecting amyloid-beta deposition.Synonyms: Apo-E, ApoE
Gene ID:	348
NCBI Accession:	NP_000032
UniProt:	P02649
Pathways:	Regulation of Cell Size, Lipid Metabolism

Application Details

Application Notes:	ELISA: Indirect: To detect hApoE3 (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hApoE3. Sandwich: To detect hApoE3 (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. In conjunction with Biotinylated Anti-Human ApoE3 as a detection antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hApoE3. Western blot: To detect hApoE3 this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hApoE3 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/mL.
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C.
Expiry Date:	6 months