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Zuschläge

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Product Number	ARP54283_P050-Biotin
Product Page	www.avivasysbio.com/apoe-antibody-n-terminal-region-biotin-arp54283-p050-biotin.html
Name	APOE Antibody - N-terminal region : Biotin (ARP54283_P050-Biotin)
Protein Size (# AA)	317 amino acids
Molecular Weight	34kDa
Conjugation	Biotin
NCBI Gene Id	348
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Apolipoprotein E
Alias Symbols	AD2, LPG, APO-E, ApoE4, LDLQC5
Peptide Sequence	Synthetic peptide located within the following region: KVLWAALLVTFAGCQAKVEQAVETEPEPELRQQTEWQSGQRWELALGRF
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Ho,R.C., (2008) Am J Geriatr Psychiatry 16 (6), 519-522
Description of Target	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 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. 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. 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 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	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
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-APOE (ARP54283_P050-Biotin) antibody
Additional Information	IHC Information: Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE) IHC Information: Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)
Blocking Peptide	For anti-APOE (ARP54283_P050-Biotin) antibody is Catalog # AAP54283 (Previous Catalog # AAP31032)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human APOE
Uniprot ID	P02649
Protein Name	Apolipoprotein E

Publications	Rohn, T. T., Catlin, L. W., Coonse, K. G. & Habig, J. W. Identification of an amino-terminal fragment of apolipoprotein E4 that localizes to neurofibrillary tangles of the Alzheimers disease brain. Brain Res. 1475, 106-15 (2012). WB, IHC, ICC/IF, Human 22902767 Rohn, T. T., Day, R. J., Sheffield, C. B., Rajic, A. J. & Poon, W. W. Apolipoprotein E pathology in vascular dementia. Int. J. Clin. Exp. Pathol. 7, 938-47 (2014). ICC/IF, Human 24696712
Protein Accession #	NP_000032
Purification	Affinity Purified
Nucleotide Accession #	NM_000041
Gene Symbol	APOE
Predicted Species Reactivity	Human
Application	WB, IHC
Predicted Homology Based on Immunogen Sequence	Human: 100%
Image 1	

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Optimal conditions of its use should be determined by end users.

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