

anti-Human Apolipoprotein E Polyclonal Antibody | anti-APOE antibody

Anti-Apolipoprotein E Antibody

CATALOG # AAA46328	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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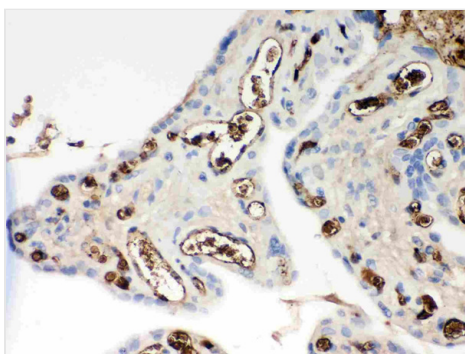
PRODUCT SYNONYMS

Apolipoprotein E; Polyclonal Antibody; Anti-Apolipoprotein E Antibody; AD2; Alzheimer disease 2; Apo E; Apo-E; ApoE; APOE_HUMAN; APOEA; Apolipoprotein E3; ApolipoproteinE; Apoprotein; LDLCQ5; LPG; MGC1571; apolipoprotein E; anti-APOE antibody

PRODUCT SPECIFICATIONS

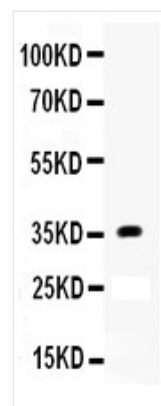
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	317
Applicable Applications for anti-APOE antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Apolipoprotein E recombinant protein (Position: K19-H317). Human Apolipoprotein E shares 73% and 72% amino acid (aa) sequence identity with mouse and rat Apolipoprotein E, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Apolipoprotein E Picoband antibody, AAA46328, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)

Anti- Apolipoprotein E Picoband antibody, AAA46328, Western blottingAll lanes: Anti Apolipoprotein E (AAA46328) at 0.5ug/mlWB: Human Placenta Tissue Lysate at 50ugPredicted bind size: 36KDObserved bind size: 36KD

ADDITIONAL INFORMATION

Related Product Information for anti-APOE antibody	Description: Rabbit IgG polyclonal antibody for Apolipoprotein E(APOE) detection. Tested with WB, IHC-P in Human. Background: APOE is also known as AD2 or LPG. The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene 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. Alternative splicing results in multiple transcript variants.
References	1. Calabuig-Navarro MV, et al. Apolipoprotein E genotype has a modest impact on the postprandial plasma response to meals of varying fat composition in healthy men in a randomized controlled trial. J Nutr, 2014 Nov. 2. APOE epsilon variants increase risk of warfarin-related intracerebral hemorrhage.Falcone GJ, et al. Neurology, 2014 Sep 23.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557325
NCBI GeneID	348
NCBI Accession #	NP_000032.1
NCBI GenBank Nucleotide #	NM_000041.3
UniProt Accession #	P02649; Q9P2S4; B2RC15; C0JYY5
Molecular Weight	36,154 Da
NCBI Official Full Name	apolipoprotein E isoform b
NCBI Official Synonym Full Names	apolipoprotein E
NCBI Official Symbol	APOE
NCBI Official Synonym Symbols	AD2; LPG; APO-E; LDLCQ5
NCBI Protein Information	apolipoprotein E
UniProt Protein Name	Apolipoprotein E
UniProt Gene Name	APOE
UniProt Synonym Gene Names	Apo-E
UniProt Entry Name	APOE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.