

Rabbit Apolipoprotein E Polyclonal Antibody | anti-APOE antibody

Anti-Apolipoprotein E Antibody

CATALOG # AAA46637	HOST Rabbit	REACTIVITY Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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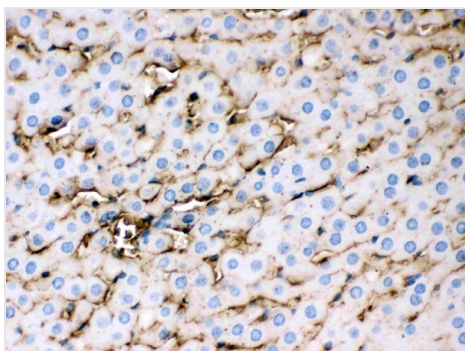
PRODUCT SYNONYMS

Apolipoprotein E; Polyclonal Antibody; Anti-Apolipoprotein E Antibody; AD2; Apo E; APOE; Apo-E; Apolipoprotein E3; LPG; P08226; apolipoprotein E; anti-APOE antibody

PRODUCT SPECIFICATIONS

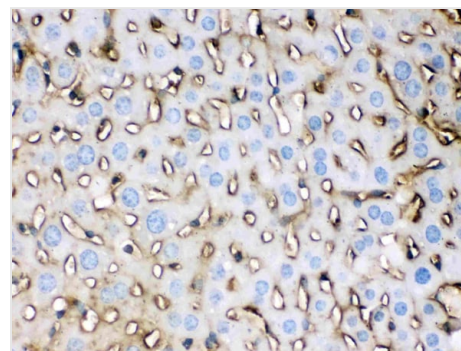
Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	311
Applicable Applications for anti-APOE antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived mouse Apolipoprotein E recombinant protein (Position: D55-Q294). Mouse Apolipoprotein E shares 75% and 94.6% amino acid (aa) sequence identity with human and rat Apolipoprotein E, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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 aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



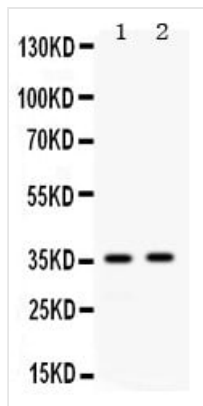
IHC (Immunohistochemistry)

Apolipoprotein E was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- Apolipoprotein E Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

Apolipoprotein E was detected in paraffin-embedded sections of mouse liver tissues using rabbit anti- Apolipoprotein E Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Apolipoprotein E expression in mouse spleen extract (lane 1) and mouse kidney extract (lane 2). Apolipoprotein E at 36KD was detected using rabbit anti-Apolipoprotein E Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-APOE antibody	Rabbit IgG polyclonal antibody for Apolipoprotein E (APOE) detection. 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. APOE epsilon variants increase risk of warfarin-related intracerebral hemorrhage. Falcone GJ, et al. Neurology, 2014 Sep 23. 2. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	802084029
NCBI GeneID	11816
NCBI Accession #	NP_001292748.1
NCBI GenBank Nucleotide #	NM_001305819.1
UniProt Accession #	P08226
Molecular Weight	35,867 Da
NCBI Official Full Name	apolipoprotein E
NCBI Official Synonym Full Names	apolipoprotein E
NCBI Official Symbol	ApoE
NCBI Official Synonym Symbols	Apo-E; AI255918
NCBI Protein Information	apolipoprotein E
UniProt Protein Name	Apolipoprotein E
UniProt Gene Name	ApoE
UniProt Synonym Gene Names	Apo-E
UniProt Entry Name	APOE_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apolipoprotein-e-antibody-immunohistochemistry-western-blot-elisa/46637>