

Rabbit APOE Polyclonal Antibody | anti-APOE antibody

APOE antibody - N-terminal region

CATALOG # AAA200344	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Zebrafish	APPLICATIONS Western Blot, Immunohistochemistry
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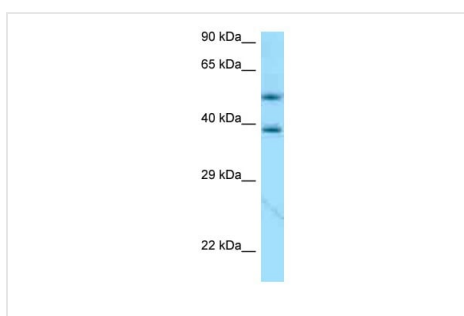
PRODUCT SYNONYMS

APOE; Polyclonal Antibody; APOE antibody - N-terminal region; anti-APOE antibody

PRODUCT SPECIFICATIONS

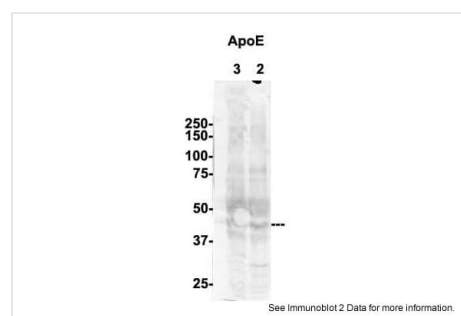
Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LM DETMKELKAY KSELEEQLTP VAEETRARLS KELQAAQARL GADMEDVC
Sequence Length	317
Applicable Applications for anti-APOE antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Human: 100%; Mouse: 93%; Rat: 93%; Zebrafish: 77%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



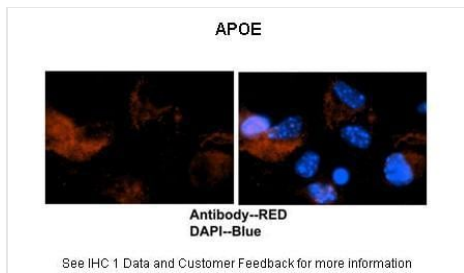
WB (Western Blot)

Sample Type: Human 721_BAPOE antibody - N-terminal region validated by WB using 721_B cell lysate at 1.0ug/ml. There is BioGPS gene expression data showing that APOE is expressed in 721_B



WB (Western Blot)

Sample Type: Mouse Brain
Sample Type: 2. mouse brain extracts (80ug)
3. rat brain extract (80ug)
Primary Antibody Dilution: 2ug/ml
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience
Secondary Antibody Dilution: 1: 20,000
Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science



IHC (Immunohistochemistry)

Researcher: Dr. Yuzhi Chen, University of Arkansas for Medical Science
 Application: Mouse brain stem cells
 Primary antibody dilution: 1:500
 Secondary antibody: Goat anti-rabbit Alexa-Fluor 594
 Secondary antibody dilution: 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-APOE antibody	This is a rabbit polyclonal antibody against APOE. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-APOE antibody	Polyclonal; Lymphocyte Signaling; Drugs and Drug Metabolism; Mitochondria; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry; GPCR

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557325
NCBI GeneID	348
NCBI Accession #	NP_000032
NCBI GenBank Nucleotide #	NM_000041
UniProt Accession #	P02649
Molecular Weight	34kDa
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; ApoE4; 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.

