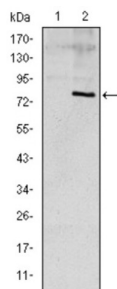
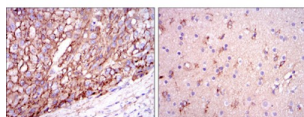


Apolipoprotein E (ApoE) Antibody

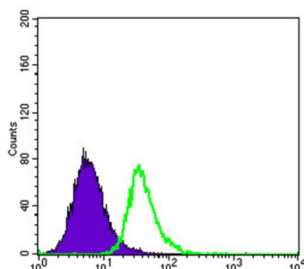
Catalogue No.: abx010563



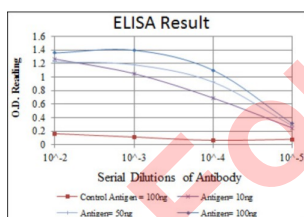
Western blot analysis using ApoE antibody against HEK293 (1) and ApoE (AA: 20-267) - hlgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues (left) and brain tissues (right) using ApoE antibody with DAB staining.



Flow cytometric analysis of HepG2 cells using ApoE antibody (green) and negative control (purple).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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 dys beta lipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. Tissue specificity: Occurs in all lipoprotein fractions in plasma. It constitutes 10-20% of very low density lipoproteins (VLDL) and 1-2% of high density lipoproteins (HDL). APOE is produced in most organs. Significant quantities are produced in liver, brain, spleen, lung, adrenal, ovary, kidney and muscle.

Datasheet

Version: 2.0.0
Revision date: 17 Aug 2025



Target:	Apolipoprotein E (ApoE)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ApoE expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P02649 (UniProt , ExPASy)
Gene Symbol:	APOE
GeneID:	348
OMIM:	104310
HGNC:	613
KEGG:	hsa:348
Ensembl:	ENSG00000130203
String:	9606.ENSP00000252486
Molecular Weight:	36 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.

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Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only