



ApoE Mouse Monoclonal Antibody

E10-30215

Background: 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.

Catalog Number: E10-30215
Amount: 100µg/100µl
Clone Number: 1H4
Species: Mouse IgG1
MW: 36kDa
Aliases: AD2; LPG; LDLCQ5; MGC1571
Entrez Gene: 348
Immunogen: Purified recombinant fragment of human ApoE expressed in E. Coli.
Storage: Store at 4°C, for long term storage, store at -20°C.
Formulation: Ascitic fluid containing 0.03% sodium azide.
Species Reactivities: Human
Tested Applications: WB, IHC, FC, ELISA. Not yet tested in other applications.
Application notes: WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FC: 1/200 - 1/400
ELISA: Propose dilution 1/10000.

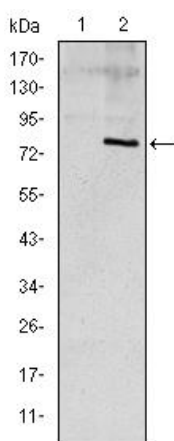


Figure 1: Western blot analysis using ApoE mAb against HEK293 (1) and ApoE-hlgGfC transfected HEK293 (2) cell lysate.

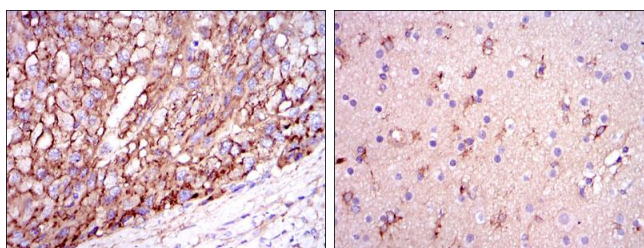
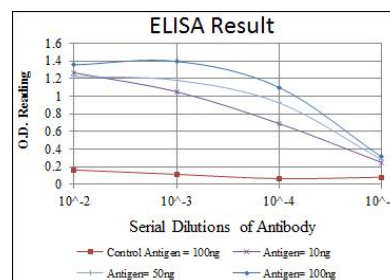


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues (left) and brain tissues (right) using ApoE mouse mAb with DAB staining.



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