



Category: Monoclonal Antibodies Cat. #: MAB-606030215
Product Name: Mouse Monoclonal Antibody to APOE

Western Blotting

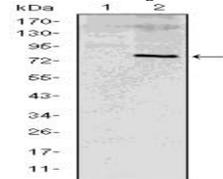


Figure 1: Western blot analysis using ApoE mAb against HEK293 (1) and ApoE (AA: 20-267)-hIgGfc transfected HEK293 (2) cell lysate.

FCM

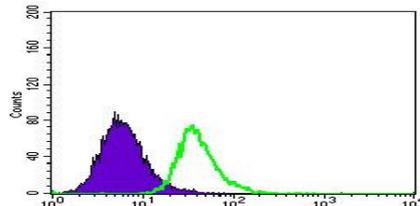


Figure 3: Flow cytometric analysis of HepG2 cells using ApoE mouse mAb (green) and negative control (purple).

Lot#:
Clone#: 1H4
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 36kDa
Aliases: AD2; LPG; LDLCQ5; MGC1571
Entrez Gene: 348
Species reactivity: Human

IHC-P (paraffin)

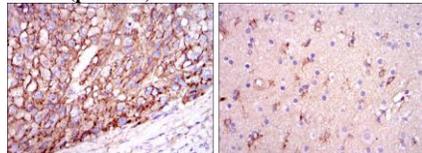
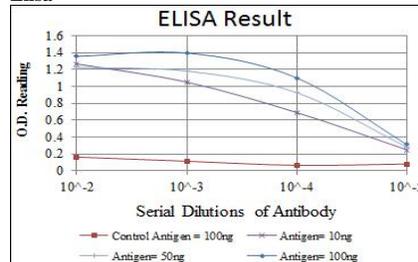


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues (left) and brain tissues (right) using ApoE mouse mAb with DAB staining.

Elisa



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. 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.

Immunogen

Purified recombinant fragment of human ApoE expressed in E. Coli.

Applications

Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

Flow cytometry: 1/200 - 1/400.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4°C, for long term storage, store at -20°C.

Related product

References

1. Arch Dermatol Res. 2009 Jul;301(6):405-10.
2. Pharmacogenomics J. 2009 Aug;9(4):248-57.

For Research Use Only

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com