

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody Catalog # AP93830

Specification

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody - Product Information

Application
Primary Accession
Reactivity
Clonality
Calculated MW

WB, IHC, IF, FC, ICC, IP P08226 Rat, Human, Mouse Monoclonal 35867

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody - Additional Information

Gene ID 11816

Other Names Apolipoprotein E, Apo-E, Apoe

Storage Conditions -20°C

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody - Protein Information

Name Apoe

Function

Cellular Location

Secreted {ECO:0000250|UniProtKB:P02649}. Secreted, extracellular space {ECO:0000250|UniProtKB:P02649}. Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P02649}. Extracellular vesicle {ECO:0000250|UniProtKB:P02649}. Endosome, multivesicular body {ECO:0000250|UniProtKB:P02649}. Note=In the plasma, APOE is associated with chylomicrons, chylomicrons remnants, VLDL, LDL and HDL lipoproteins. Lipid poor oligomeric APOE is associated with the extracellular matrix in a calcium- and heparan-sulfate



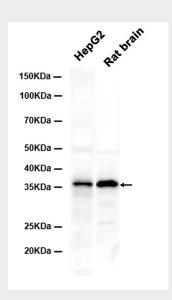
proteoglycans- dependent manner. Lipidation induces the release from the extracellular matrix. Colocalizes with CD63 and PMEL at exosomes and in intraluminal vesicles within multivesicular endosomes {ECO:0000250|UniProtKB:P02649}

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody - Protocols

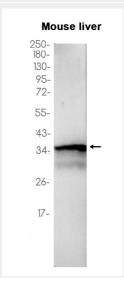
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

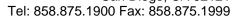
Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody - Images



Western blot analysis of extracts from HepG2 cells and Rat brain tissue using AP93830 at 1:1000.









Western blot analysis of extracts from Mouse liver tissue using AP93830 at 1:1000.

Apolipoprotein E (4Y14) Rabbit Monoclonal Antibody - Background

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. [provided by RefSeq, Jun 2016]