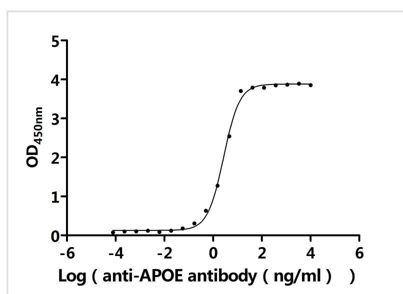
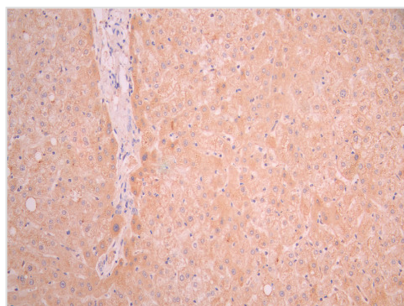
APOE Recombinant Monoclonal Antibody

Product Code	CSB-RA001936MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P02649
Immunogen	Recombinant Human APOE protein
Species Reactivity	Human
Tested Applications	ELISA, IHC, IF, FC; Recommended dilution: ELISA:1:5000-1:50000, IHC:1:50-1:200, IF:1:50-1:200, FC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	mIgG2a
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Target Names	APOE
Clone No.	HJ153

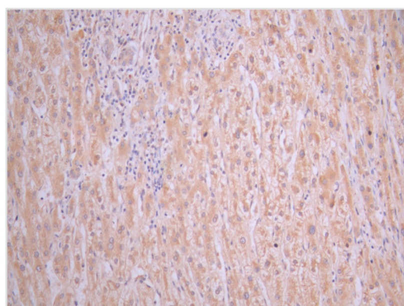
Image



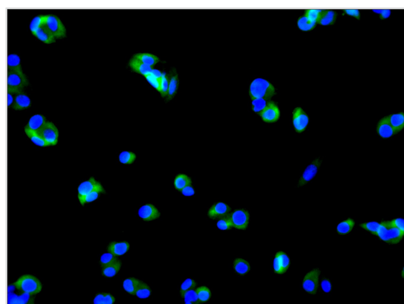
The Binding Activity of Human APOE with Anti-APOE recombinant antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human APOE (CSB-MP001936HU) at 2 µg/mL can bind Anti-APOE recombinant antibody. The EC_{50} is 2.491-2.918 ng/mL.



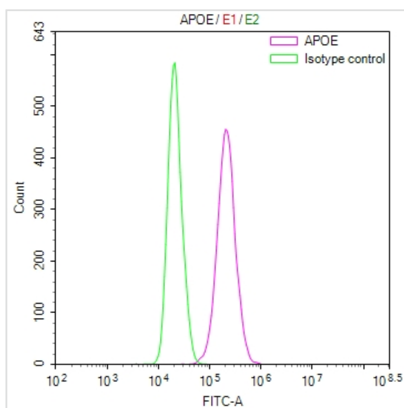
IHC image of CSB-RA001936MA1HU diluted at 1:50 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-mouse polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA001936MA1HU diluted at 1:50 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-mouse polymer IgG labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence staining of HepG2 cell with CSB-RA001936MA1HU at 1:30 ,counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated Goat Anti-Mouse IgG(H+L).



Overlay Peak curve showing HepG2 cells stained with CSB-RA001936MA1HU (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100 for 10min. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10^6cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was mouse IgG2a (1ug/1*10^6cells) used under the same conditions. Acquisition of >10,000 events was performed.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.