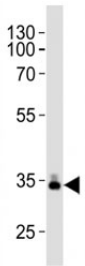
ApoE Antibody (Apolipoprotein E) (F50536)

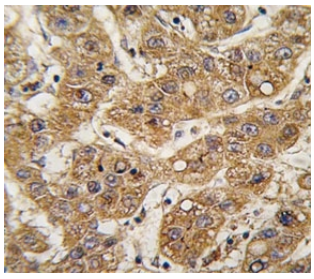
Catalog No.	Formulation	Size
F50536-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50536-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Primate, Rabbit
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P02649
Localization	Cytoplasmic, membranous
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This ApoE antibody is available for research use only.



Western blot analysis of lysate from human plasma tissue lysate using ApoE antibody diluted at 1:1000. Predicted molecular weight: 34-37 kDa



IHC analysis of FFPE human hepatocarcinoma tissue stained with ApoE antibody

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.

Application Notes

Titration of the ApoE antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 263-292 from the human protein was used as the immunogen for this ApoE antibody.

Storage

Aliquot the ApoE antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.