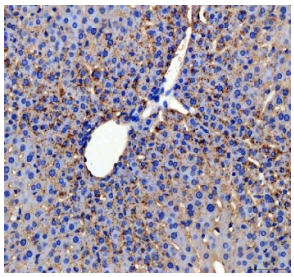
APOC3 Antibody / Apolipoprotein C III (R32511)

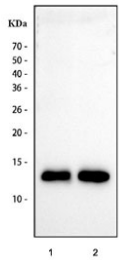
Catalog No.	Formulation	Size
R32511	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

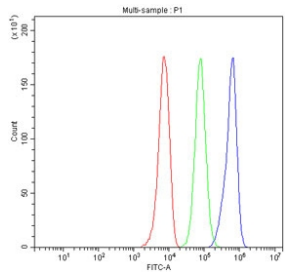
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P02656
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This APOC3 antibody is available for research use only.



IHC staining of FFPE mouse liver tissue with APOC3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HCCT and 2) HCCP cell lysate with APOC3 antibody at 0.5ug/ml. Predicted molecular weight 9-11 kDa.



Flow cytometry testing of fixed human HepG2 cells with APOC3 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= APOC3 antibody.

Description

Apolipoprotein C-III, also known as apo-CIII, is a protein that in humans is encoded by the APOC3 gene. Apo-CIII is a component of very low density lipoprotein (VLDL). APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in apoC-III levels induces the development of hypertriglyceridemia.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the APOC3 antibody to be titrated for optimal performance.

Immunogen

Amino acids S21-A99 from the human protein were used as the immunogen for the APOC3 antibody.

Storage

After reconstitution, the APOC3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.