Apolipoprotein C3 Rabbit pAb

Catalog No.: A1409 2 Publications



Basic Information

Observed MW

11kDa

Calculated MW

11kDa

WB

Category

Primary antibody

Applications

WB,IF/ICC,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a protein component of triglyceride (TG)-rich lipoproteins (TRLs) including very low density lipoproteins (VLDL), high density lipoproteins (HDL) and chylomicrons. The encoded protein plays a role in role in the metabolism of these TRLs through multiple modes. This protein has been shown to promote the secretion of VLDL1, inhibit lipoprotein lipase enzyme activity, and delay catabolism of TRL remnants. Mutations in this gene are associated with low plasma triglyceride levels and reduced risk of ischemic cardiovascular disease, and hyperalphalipoproteinemia, which is characterized by elevated levels of high density lipoprotein (HDL) and HDL cholesterol in human patients. This gene and other related genes comprise an apolipoprotein gene cluster on chromosome 11.

Recommended Dilutions

1:500 - 1:1000

requirements.

IF/ICC	1:50 - 1:200	
IF-P	1:50 - 1:200	
IHC-P	1:100 - 1:200	
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay	

Contact

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Immunogen Information

Gene ID	Swiss Prot
345	P02656

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Apo-C3; ApoC-3; APOCIII; Apolipoprotein C3

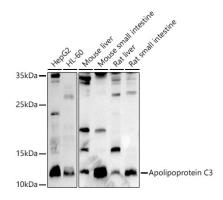
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

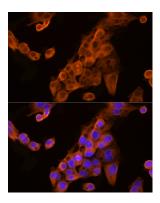


Western blot analysis of various lysates using Apolipoprotein C3 Rabbit pAb (A1409) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

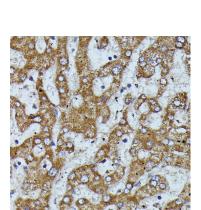
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

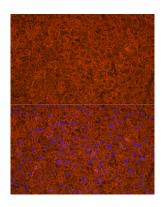
Exposure time: 90s.



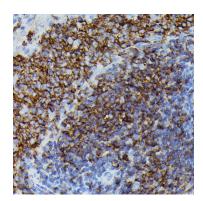
Immunofluorescence analysis of HepG2 cells using Apolipoprotein C3 Rabbit pAb (A1409) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



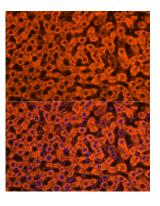
Immunohistochemistry analysis of paraffinembedded Human liver using Apolipoprotein C3 Rabbit pAb (A1409) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



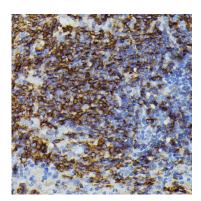
Immunofluorescence analysis of paraffinembedded mouse liver using Apolipoprotein C3 Rabbit pAb (A1409) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Rat spleen using Apolipoprotein C3 Rabbit pAb (A1409) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of paraffinembedded rat liver using Apolipoprotein C3 Rabbit pAb (A1409) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Mouse spleen using Apolipoprotein C3 Rabbit pAb (A1409) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.