

MAC003Ra21

Monoclonal Antibody to Apolipoprotein B (APOB)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2a Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C3

Traits: Liquid

Concentration: 1mg/mL

UOM: 50µL

Cross Reactivity: Human;Mouse;Porcine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant APOB (H+Phe2747~Leu2913) expressed in *E.coli*

Accession No.: RPC003Ra01

[APPLICATIONS]

Western blotting: 0.01-5µg/mL;

Immunohistochemistry: 5-50µg/mL;

Immunocytochemistry: 5-50µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

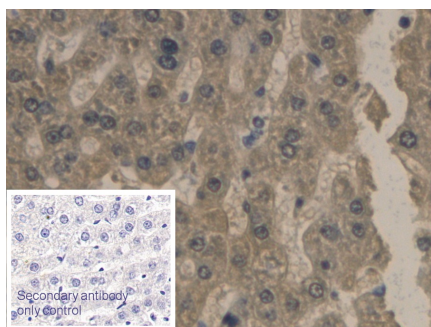
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

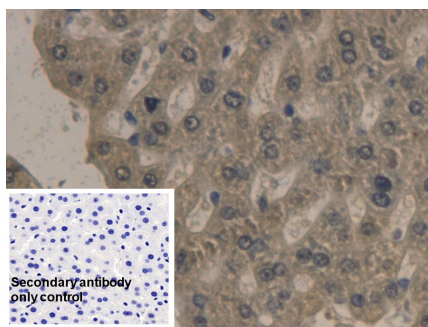
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

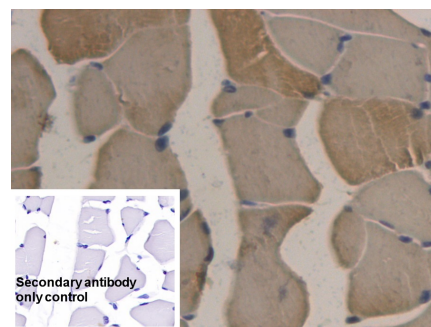
[IDENTIFICATION]



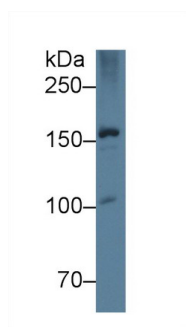
DAB staining on IHC-P; Samples: Rat Liver Tissue; Primary Ab: 30µg/ml Mouse Anti-Rat APOB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



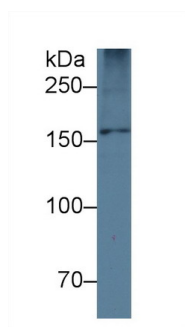
DAB staining on IHC-P; Sample: Rat Liver Tissue
Primary Ab: 30µg/ml Mouse Anti-Rat APOB Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



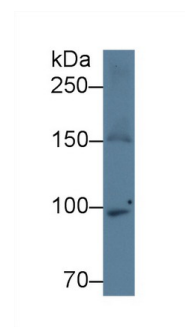
DAB staining on IHC-P; Sample: Rat Skeletal muscle Tissue
Primary Ab: 30µg/ml Mouse Anti-Rat APOB Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Rat Liver lysate
Primary Ab: 5µg/ml Mouse Anti-Rat APOB Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



Western Blot; Sample: HepG2 cell lysate
Primary Ab: 5µg/ml Mouse Anti-Rat APOB Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal



Western Blot; Sample: Porcine Liver lysate
Primary Ab: 5µg/ml Mouse Anti-Rat APOB Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal

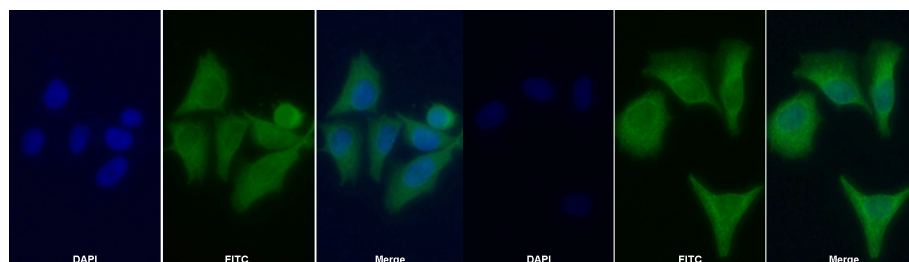
(Catalog: SAA544Mu19) Selected

Antibody

Antibody

(Catalog: SAA544Mu19) Selected

(Catalog: SAA544Mu19) Selected



FITC staining on IF;

FITC staining on IF;

Samples: Human HepG2 cell;

Sample: HepG2 cell

Primary Ab: 20µg/ml Mouse Anti-Rat

Primary Ab: 20µg/ml Mouse Anti-Rat

APOB Antibody

APOB Antibody

Second Ab: 1µg/ml FITC-Linked

Second Ab: 2µg/ml FITC-Linked

Caprine Anti-Mouse IgG Polyclonal

Caprine Anti-Mouse IgG Polyclonal

Antibody

Antibody

(Catalog: SAA544Mu18)

(Catalog: SAA544Mu11)

[**IMPORTANT NOTE**]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.