

**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

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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:** 50µg(50µL)

**Cross Reactivity:** Human;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: 5-30µg/mL;

Immunofluorescence: 5-20µg/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.

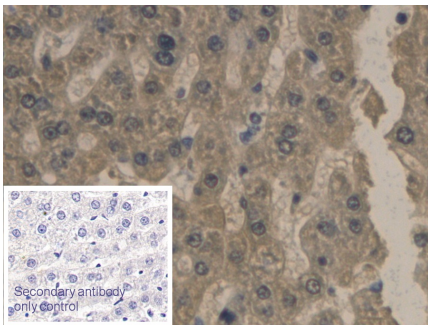
Store at 4°C for frequent use.

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

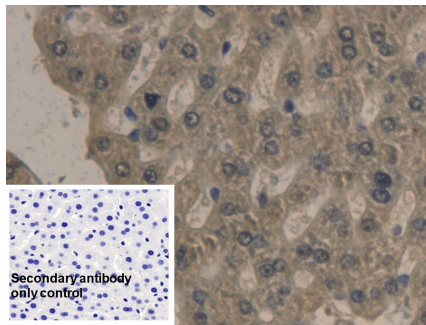
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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.

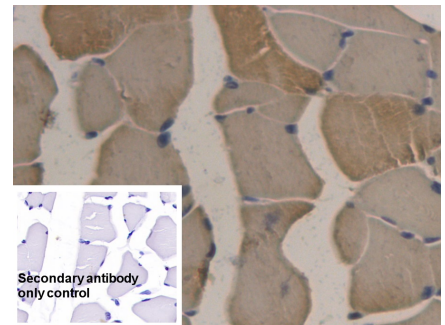
**[ IDENTIFICATION ]**



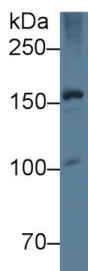
DAB staining on IHC-P; Samples: Rat Liver Tissue; Primary Ab: 30µg/ml Mouse Anti-Rat APOB Antibody  
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



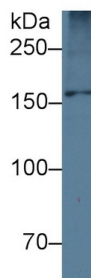
DAB staining on IHC-P; Sample: Rat Liver Tissue  
Primary Ab: 30µg/ml Mouse Anti-Rat APOB Antibody  
Control: Used PBS instead of primary antibody  
Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



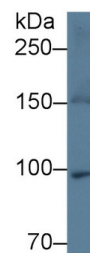
DAB staining on IHC-P; Sample: Rat Skeletal muscle Tissue  
Primary Ab: 30µg/ml Mouse Anti-Rat APOB Antibody  
Control: Used PBS instead of primary antibody  
Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



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

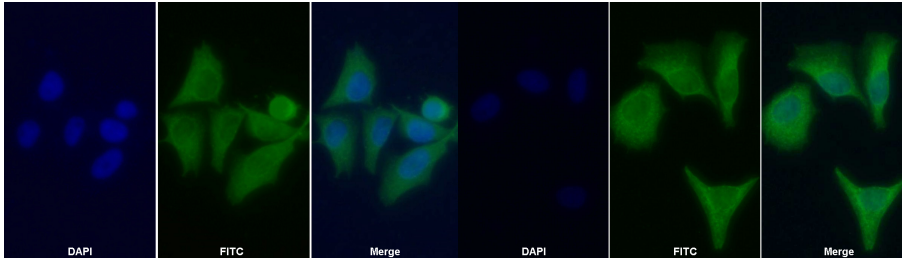
(Catalog: SAA544Mu19) Selected

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  
APOB Antibody

Primary Ab: 20µg/ml Mouse Anti-Rat  
APOB Antibody

Second Ab: 1µg/ml FITC-Linked

Second Ab: 2µg/ml FITC-Linked

Caprine Anti-Mouse IgG Polyclonal  
Antibody

Caprine Anti-Mouse IgG Polyclonal  
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.