PAD005Mu01

Polyclonal Antibody to Methionyl tRNA Synthetase (MARS)

Organism Species: *Mus musculus (Mouse)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 50μL

Cross Reactivity: Human

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant MARS (Gly74~Pro212) expressed in *E.coli*

Accession No.: RPD005Mu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/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.

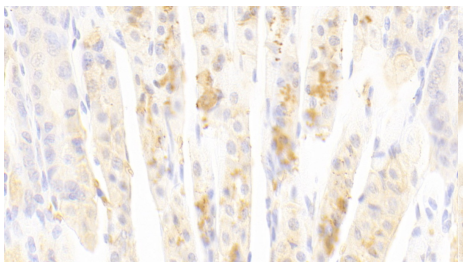
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

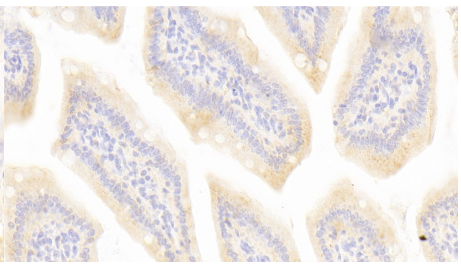
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

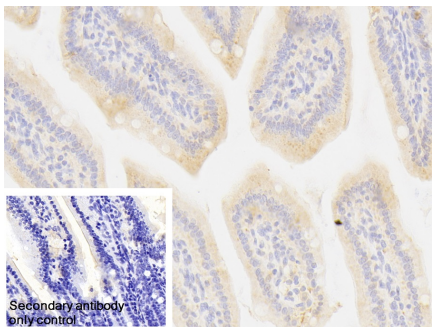
[IDENTIFICATION]



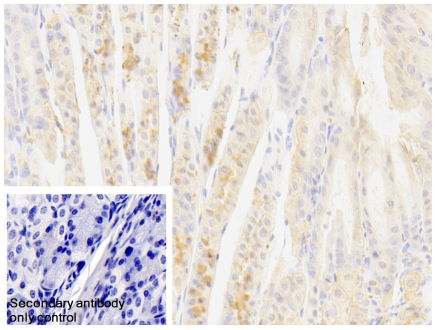
DAB staining on IHC-P; Samples: Mouse Stomach Tissue; Primary Ab: 20μg/ml Rabbit Anti-Mouse MARS Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



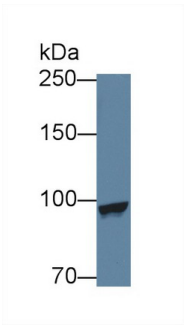
DAB staining on IHC-P; Samples: Mouse Small intestine Tissue; Primary Ab: 20μg/ml Rabbit Anti-Mouse MARS Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



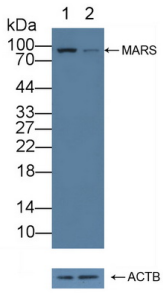
DAB staining on IHC-P; Sample: Mouse Small intestine Tissue Primary Ab: 20μg/ml Rabbit Anti-Mouse MARS Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Mouse Stomach Tissue Primary Ab: 20μg/ml Rabbit Anti-Mouse MARS Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked

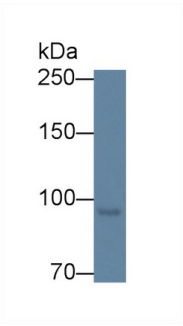


Western Blot; Sample: Human HepG2 cell lysate; Primary Ab: 1μg/ml Rabbit Anti-Mouse MARS Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Knockout Varification: Lane 1: Wild-type HepG2 cell lysate; Lane 2: MARS knockout HepG2 cell lysate; Predicted MW: 101kd Observed MW: 90kd Primary Ab: 1μg/ml Rabbit Anti-Mouse

Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Pancreas lysate;
Primary Ab: 1µg/ml Rabbit Anti-Mouse MARS Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

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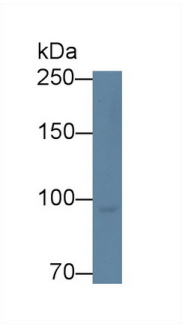
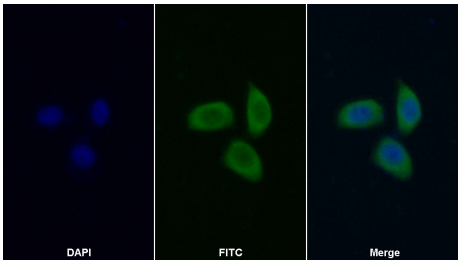


Western Blot; Sample: Mouse Liver lysate;
Primary Ab: 1µg/ml Rabbit Anti-Mouse MARS Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

MARS Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



FITC staining on IF;
Sample: HepG2 cell
Primary Ab: 20µg/ml Rabbit Anti-Mouse MARS Antibody
Second Ab: 2µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb11)

[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.