

PAA837Mu03

Polyclonal Antibody to Nitric Oxide Synthase 2, Inducible (NOS2)

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: 100µL

Cross Reactivity: Human

Applications: WB; IHC; ICC; IP.

[IMMUNOGEN]

Immunogen: Recombinant NOS2 (Ser868~Asp909) expressed in *E.coli*

Accession No.: RPA837Mu03

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunocytochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

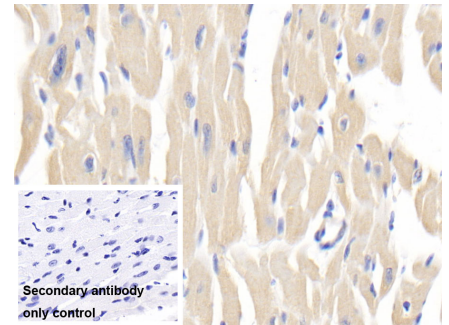
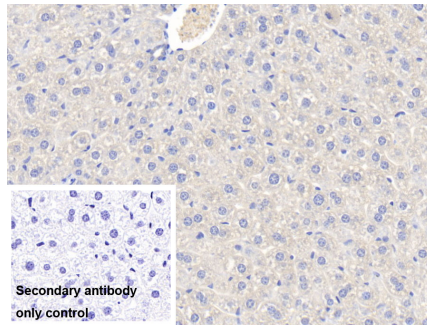
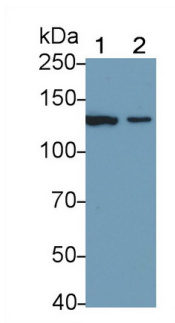
Store at 4°C for frequent use.

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

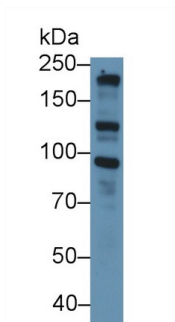
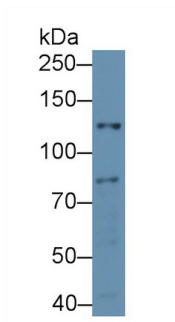
obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



Western Blot; Sample: Lane1: Hela cell DAB staining on IHC-P; Sample: Mouse lysate; Lane2: RAW264.7 cell lysate
 Primary Ab: 0.2µg/ml Rabbit Anti-Mouse NOS2 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)
 Liver Tissue Primary Ab: 20µg/ml Rabbit Anti-Mouse NOS2 Antibody Control: Used PBS instead of primary antibody Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

DAB staining on IHC-P; Sample: Mouse Cardiac Muscle Tissue Primary Ab: 20µg/ml Rabbit Anti-Mouse NOS2 Antibody Control: Used PBS instead of primary antibody Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Heart lysate;
 Primary Ab: 2µg/ml Rabbit Anti-Mouse NOS2 Antibody
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

Western Blot; Sample: Mouse Cerebrum lysate;
 Primary Ab: 2µg/ml Rabbit Anti-Mouse NOS2 Antibody
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

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[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.