

MAA837Hu22

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

Organism Species: *Homo sapiens (Human)*

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 Lambda

Purification: Protein A + Protein G affinity chromatography

Clone number: C1

Traits: Liquid

Concentration: 1mg/mL

UOM: 100μL

Cross Reactivity: Mouse

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant NOS2 (Thr734~Gly966) expressed in *E.coli*

Accession No.: RPA837Hu02

[APPLICATIONS]

Western blotting: 0.01-3μg/mL;

Immunohistochemistry: 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.

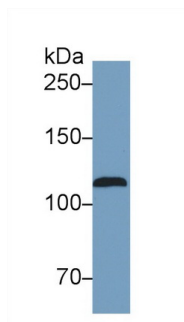
Store at 4°C for frequent use.

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

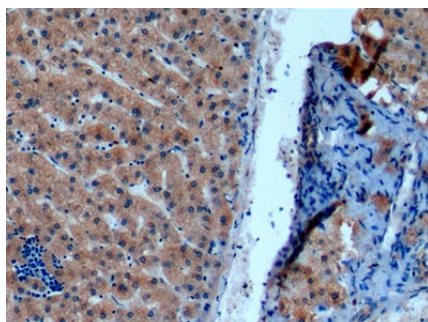
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

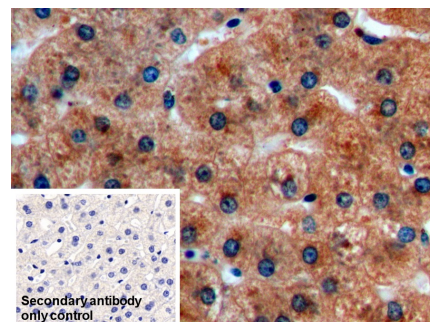
[IDENTIFICATION]



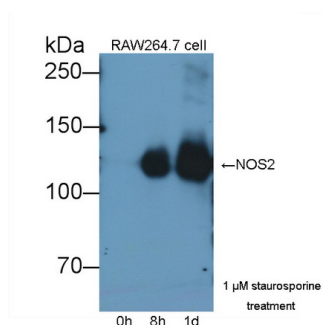
Western Blot; Sample: Human Serum
Primary Ab: 3µg/ml Mouse Anti-Human NOS2 Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 10µg/ml Mouse Anti-Human NOS2 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Liver Tissue
Primary Ab: 10µg/ml Mouse Anti-Human NOS2 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western blot; Samples: lysates of RAW264.7 cell line treated with 1 µM staurosporine (STS) for the indicated times.

Primary Ab: 0.3ug/ml Mouse Anti-Human NOS2 Antibody
Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)

[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.