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Datasheet for ABIN7426076
anti-NOS2 antibody (AA 734-966)

3 Images

Overview

Quantity:	100 µL
Target:	NOS2
Binding Specificity:	AA 734-966
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NOS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Nitric Oxide Synthase 2, Inducible (NOS2)
Immunogen:	Recombinant Nitric Oxide Synthase 2, Inducible (NOS2) corresponding to Thr734~Gly966 with N-terminal His Tag
Clone:	C1
Isotype:	IgG2a lambda
Specificity:	The antibody is a mouse monoclonal antibody raised against NOS2. It has been selected for its ability to recognize NOS2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig
Purification:	Protein A + Protein G affinity chromatography

Target Details

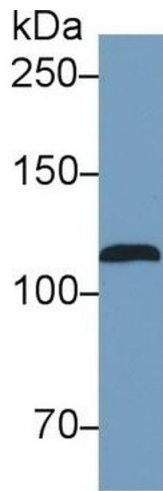
Target:	NOS2
Alternative Name:	Nitric Oxide Synthase 2, Inducible (NOS2 Products)
Background:	NOS2A, INOS, HEP-NOS, I-NOS, Hepatocytes Oxide Synthase, Peptidyl-cysteine S-nitrosylase NOS2
Pathways:	Retinoic Acid Receptor Signaling Pathway , Cellular Response to Molecule of Bacterial Origin , Inositol Metabolic Process , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	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.
Restrictions:	For Research Use only

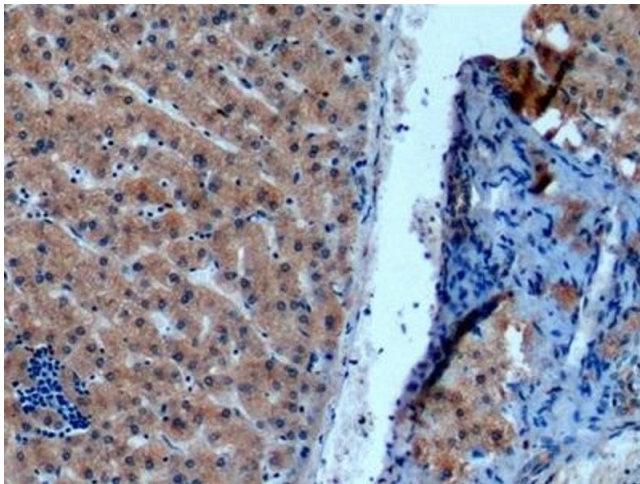
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



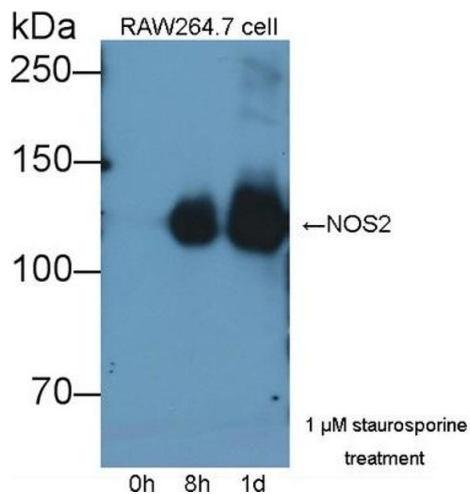
Western Blotting

Image 1. Detection of NOS2 in Human Serum using Monoclonal Antibody to Nitric Oxide Synthase 2, Inducible (NOS2)



Immunohistochemistry

Image 2. Detection of NOS2 in Human Liver Tissue using Monoclonal Antibody to Nitric Oxide Synthase 2, Inducible (NOS2)



Western Blotting

Image 3. Detection of NOS2 in lysates of RAW264.7 cell line using Monoclonal Antibody to Nitric Oxide Synthase 2, Inducible (NOS2)