Datasheet for ABIN7101575

anti-NOS2 antibody

3 Images

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Overview

Quantity:	20 µL
Target:	NOS2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This NOS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human iNOS
Clone:	ARC0832
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	NOS2
Alternative Name:	NOS2 (NOS2 Products)
Background:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes,

Target Details

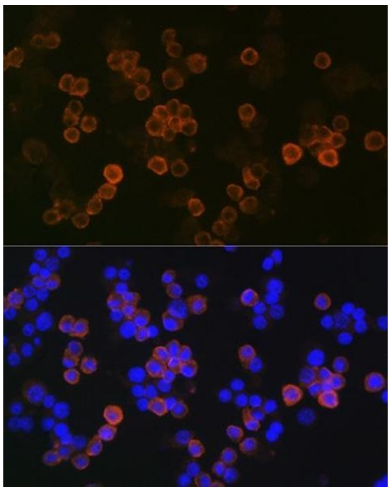
	including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008],HEP-NOS, INOS, NOS, NOS2A,Cancer,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Neuroscience,NOS2
Molecular Weight:	131 kDa
Gene ID:	4843
UniProt:	P35228
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:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

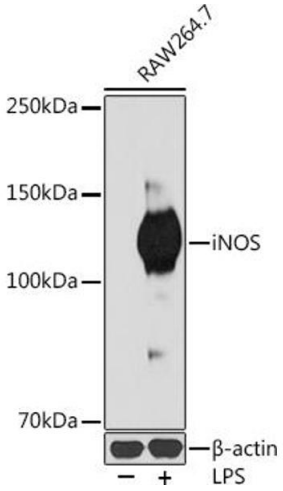
Handling

Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



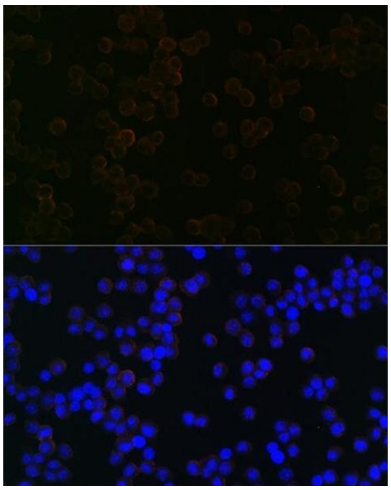
Immunofluorescence

Image 1. Immunofluorescence analysis of Raw264 7 cells using iNOS Rabbit mAb (ABIN1678965, ABIN3018084, ABIN3018085 and ABIN7101575) at dilution of 1:100 (40x lens). Raw264 7 cells were treated by LPS (1 µg/mL) at 37 °C for 8 hours. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of R.7 cells, using iNOS antibody (ABIN1678965, ABIN3018084, ABIN3018085 and ABIN7101575) at 1:1000 dilution.R.7 cells were treated by LPS (1 µg/mL) at 37 °C for 8 hours.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



Immunofluorescence

Image 3. Immunofluorescence analysis of Raw264 7 cells using iNOS Rabbit mAb (ABIN1678965, ABIN3018084, ABIN3018085 and ABIN7101575) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

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