

iNOS Rabbit pAb

Catalog No.: A0312SP **93 Publications**

Basic Information

Observed MW

130 kDa

Calculated MW

131 kDa/127 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, 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.

Recommended Dilutions

WB 1:3000 - 1:10000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF/ICC 1:100 - 1:400

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay
requirements. For high-ratio
antibody dilutions
(≥1:10000)

Immunogen Information

Gene ID

4843

Swiss Prot

P35228

Immunogen

This information is considered to be commercially sensitive.

Synonyms

NOS; INOS; NOS2A; HEP-NOS; iNOS

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

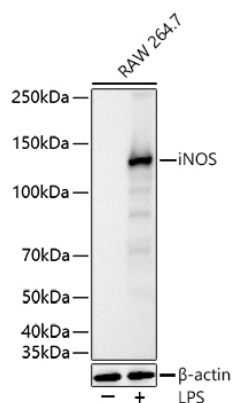
Contact

☎ | 400-999-6126

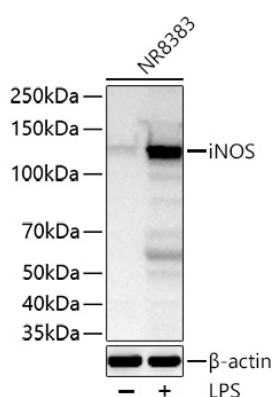
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

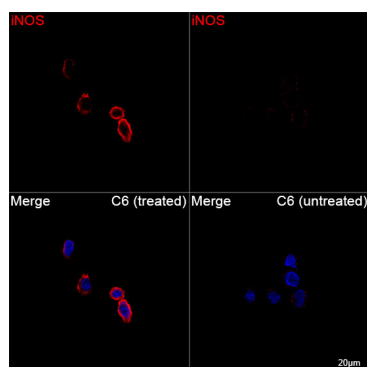
Validation Data



Western blot analysis of lysates from RAW 264.7 cells using iNOS Rabbit pAb (A0312SP) at 1:5000 dilution incubated overnight at 4°C. Raw264.7 cells were treated with LPS (1ug/ml) at 37°C for 7 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10 s.



Western blot analysis of lysates from NR8383 cells using iNOS Rabbit pAb (A0312SP) at 1:3000 dilution incubated overnight at 4°C. NR8383 cells were treated with LPS (1 µg/mL) at 37°C for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.



Confocal imaging of C6 cells (treated with IL-1 beta, TNF-alpha and IFN-gamma) and C6 cells (untreated) using iNOS Rabbit pAb (A0312SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.