Leader in Biomolecular Solutions for Life Science

www.abclonal.com

iNOS Rabbit mAb

Catalog No.: A3774

Recombinant | 76 Publications

Basic Information

Observed MW
131 kDa

Calculated MW
131 kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC0832

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	1:1000 - 1:4000
IF/ICC	1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4843

Swiss-Prot
P35228

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
NOS; INOS; NOS2A; HEP-NOS; iNOS

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

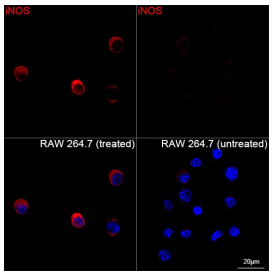
Source
Rabbit

Isotype
IgG

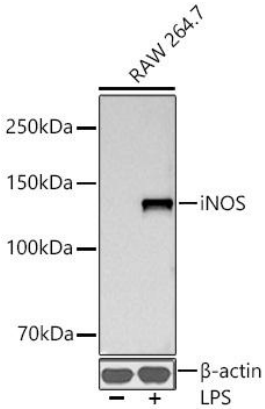
Purity
Affinity purification

Storage
Store at -20℃

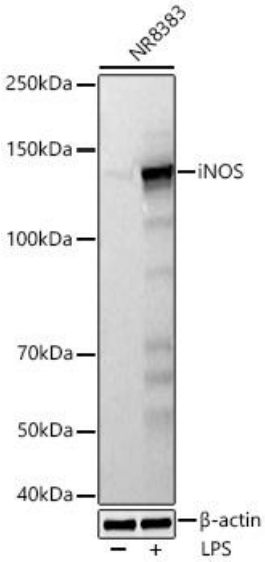
Validation Data



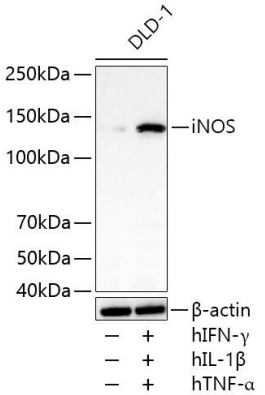
Confocal imaging of RAW 264.7 cells (treated with LPS) and RAW 264.7 cells (untreated) using iNOS Rabbit mAb (A3774, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Western blot analysis of lysates from RAW 264.7 cells using iNOS Rabbit mAb (A3774) at 1:1000 dilution incubated overnight at 4℃. Raw264.7 cells were treated with LPS (1 μg/ml) at 37℃ 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: 30 s.



Western blot analysis of lysates from NR8383 cells using iNOS Rabbit mAb (A3774) at 1:1000 dilution incubated at room temperature for 1.5 hours. NR8383 cells were treated with LPS (1 ug/mL) 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: 5 s.



Western blot analysis of lysates from DLD-1 cells using iNOS Rabbit mAb (A3774) at 1:1000 dilution incubated overnight at 4℃. DLD-1 cells were treated with hIFN-γ (300 ng/mL), hIL-1β (5 ng/mL) and hTNF-α (30 ng/mL) at 37℃ for 24 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: 90 s.