Leader in Biomolecular Solutions for Life Science

www.abclonal.com

iNOS Rabbit mAb

Catalog No.: A25899 Recombinant

Basic Information

Observed MW
131kDa

Calculated MW
131kDa

Category
Primary antibody

Applications
WB,IF/ICC,IP,ELISA

Cross-Reactivity
Human, Mouse

CloneNo number
ARC3286

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	1:500 - 1:1000
IF/ICC	1:50 - 1:200
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
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

Synonyms
NOS; INOS; NOS2A; HEP-NOS

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% sodium azide,0.05% BSA,50% glycerol,pH7.3.

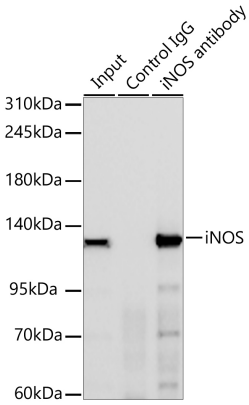
Contact

400-999-6126

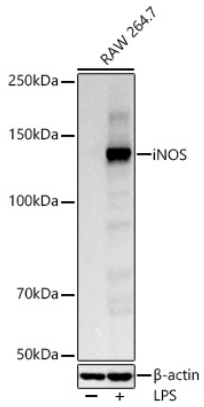
cn.market@abclonal.com.cn

www.abclonal.com.cn

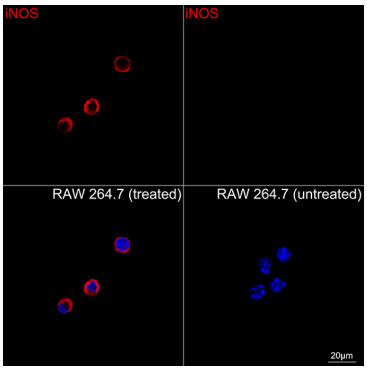
Validation Data



Immunoprecipitation of iNOS from 300 µg extracts of RAW 264.7 cells treated by LPS (0.1µg/ml, 6h) and BFA (1ug/ml, 3h) was performed using 0.5 µg of iNOS Rabbit mAb (A25899). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using iNOS Rabbit mAb (A25899) at a dilution of 1:1000.



Western blot analysis of lysates from RAW 264.7 cells using iNOS Rabbit mAb (A25899) at 1:1000 dilution incubated overnight at 4℃. Raw264.7 cells were treated by LPS (1 µg/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: 1s.



Confocal imaging of RAW 264.7 cells (treated with LPS) and RAW 264.7 cells (untreated) cells using iNOS Rabbit mAb (A25899, dilution 1:50) 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.