

A14031

Leader in Biomolecular Solutions for Life Science



iNOS Rabbit pAb

Catalog No.: A14031 **36 Publications**

Basic Information

Observed MW

130kDa

Calculated MW

131kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,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	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
4843	P35228

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 948-1153 of human iNOS (NP_000616.3).

Synonyms

NOS; INOS; NOS2A; HEP-NOS; iNOS

Contact



www.abclonal.com

Product Information

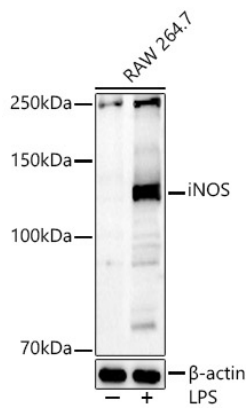
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

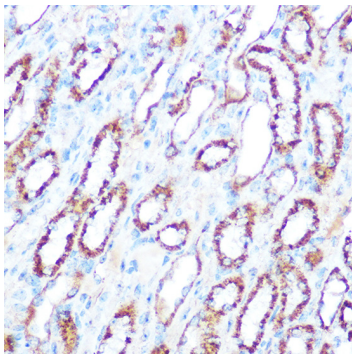
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

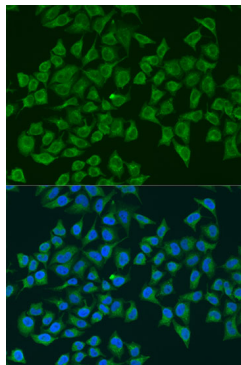
Validation Data



Western blot analysis of lysates from RAW264.7 cells, using iNOS Rabbit pAb (A14031) at 1:700 dilution. Raw264.7 cells were treated by LPS (1 μ g/ml) at 37°C for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry analysis of iNOS in paraffin-embedded mouse kidney using iNOS Rabbit pAb (A14031) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of U2OS cells using iNOS Rabbit pAb (A14031) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.