

Anti-iNOS Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

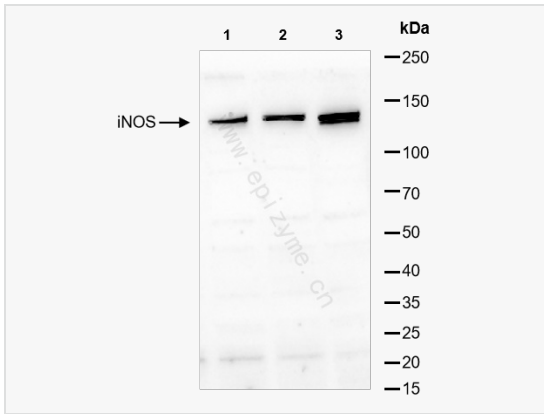
Catalog # R013877

Product Information

Application	ELISA, WB, IF (Cell)/ICC
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	29V01R82
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human iNOS
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-iNOS Rabbit mAb [29V01R82] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HEP-NOS, Hepatocyte NOS, HEPNOS, inducible, Inducible nitric oxide synthase, Inducible NO synthase, Inducible NOS, iNOS, MAC NOS, Macrophage NOS, Nitric oxide synthase 2 inducible, Nitric oxide synthase 2 inducible macrophage, nitric oxide synthase 2A (inducible, hepatocytes), Nitric oxide synthase, Nitric oxide synthase inducible, nitric oxide synthase, macrophage, NOS 2, NOS, Nos II, NOS type II, nos2, NOS2_HUMAN, NOS2A, NOS2A, Inducible, Hepatocyte, Peptidyl-cysteine S-nitrosylase NOS2.
Calculated MW	Calculated MW: 131 kDa; Observed MW: 131 kDa
Uniprot ID	P35228
Gene ID	4843
Background	iNOS Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions.
Tissue Location	Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets.



Western Blot - Anti-iNOS Rabbit mAb [29V01R82]

All lanes: R013877 at 1:1,000 dilution

Lane 1: Balb/c Mouse intestines whole tissue lysates

Lane 2: Balb/c Mouse kidney whole tissue lysates

Lane 3: Balb/c Mouse muscle whole tissue lysates

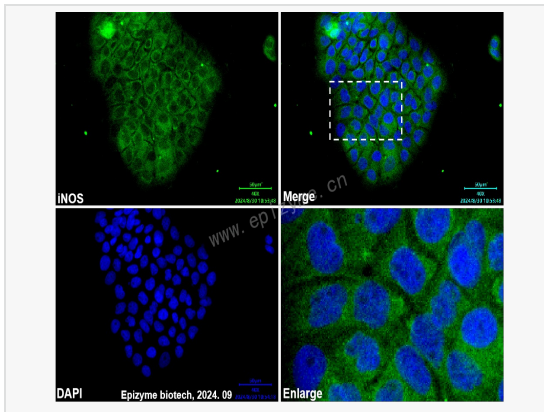
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 131 kDa

Observed band size: 131 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-iNOS Rabbit mAb [29V01R82]

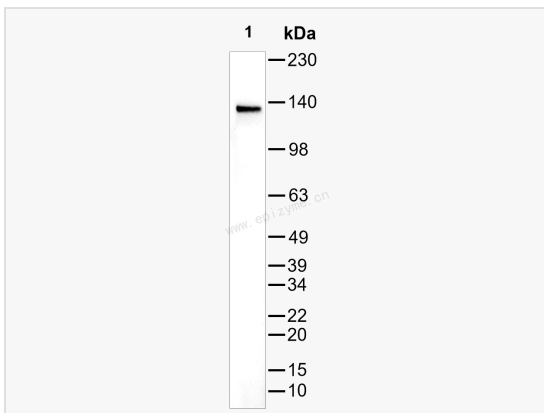
Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013877 at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-iNOS Rabbit mAb [29V01R82]

All lanes: R013877 at 1:1,000 dilution

Lane 1: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

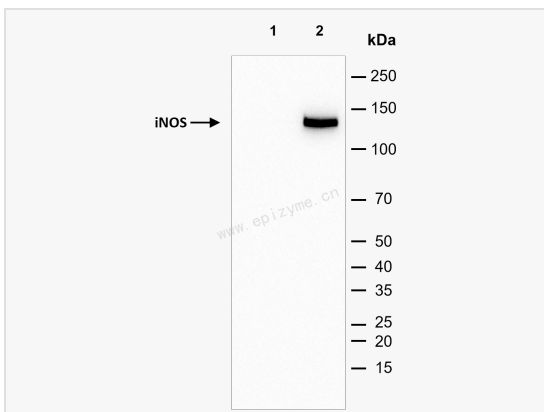
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 131 kDa

Observed band size: 131 kDa

Developed using the ECL technique (Cat. No. SQ201).



Western Blot - Anti-iNOS Rabbit mAb [29V01R82]

All lanes: R013877 at 1:1,000 dilution

Lane 1: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 2: Raw264.7 treated with 1 µg/mL LPS for 6 h whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 131 kDa

Observed band size: 131 kDa

Developed using the ECL technique (Cat. No. SQ201).