

iNOS

Polyclonal ANTIBODY

Catalog Number: 18985-1-AP

Featured Product

78 Publications

Basic Information

Catalog Number:
18985-1-AP

Size:
40 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
NM_000625

GeneID (NCBI):
4843

Full Name:
nitric oxide synthase 2, inducible

Calculated MW:
131 kDa

Observed MW:
110-130 kDa, 65-70 kDa

Recommended Dilutions:

WB 1:200-1:1000

IF 1:50-1:500

Applications

Tested Applications:
IF, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human,mouse,rat

Cited Species:
chicken, human, mouse, rat

Positive Controls:

WB : HeLa cells;

IF : HeLa cells;

Background Information

NOS2, also named as iNOS and NOS2A, produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. NO is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission, antimicrobial and antitumoral activities. NOS2 is a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. iNOS has a very short half-life due to rapid degradation by calpain. iNOS monomer is a direct substrate of calpain I and can be cleaved by calpain I at the canonical CaM-binding site(503-532aa) of iNOS, and then a ~70kD band can be detected by western (PMD:11786228). This antibody is specific to NOS2.

Notable Publications

Author	Pubmed ID	Journal	Application
Meili Wu	30266587	Brain Res Bull	WB,IF
Xiaoqing Zheng	28965082	Redox Biol	WB
Yujing Mao	27665476	Biomed Pharmacother	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

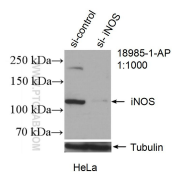
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

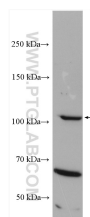
E: proteintech@ptglab.com
W: ptglab.com

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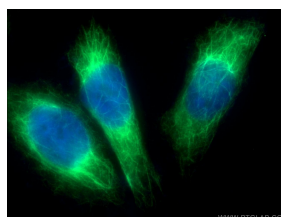
Selected Validation Data



WB result of iNOS antibody (18985-1-AP, 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-iNOS transfected HeLa cells



HeLa cells were subjected to SDS PAGE followed by western blot with 18985-1-AP (iNOS antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



Immunofluorescent analysis of (-20) Ethanol fixed HeLa cells using 18985-1-AP (iNOS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)