

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-iNOS



Numéro de catalogue: 18985-1-AP

Phare

496 Publications

Informations de base

Numéro de catalogue:
18985-1-AP

Taille:
150ul , Concentration: 1000 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
NM_000625

Identification du gène (NCBI):
4843

Nom complet:
nitric oxide synthase 2, inducible

MW calculé

131 kDa

MW observés:

110-130 kDa, 65-70 kDa

Méthode de purification:

Purification par affinité contre
l'antigène

Dilutions recommandées:

WB 1:500-1:4000

IF 1:50-1:500

Applications

Applications testées:
FC, IF, WB, ELISA

Demandes citées:
ELISA, FC, IF, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:

Humain, porc, poulet, rat, souris

Contrôles positifs:

WB : tissu hépatique de souris, tissu hépatique de rat

IF : cellules HepG2, cellules HeLa

Informations générales

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 ~70 kDa band can be detected by western (PMID:11786228). This antibody is specific to NOS2.

Publications notables

Autrice	Pubmed ID	Journal	Application
Lin-Tao Xu	34601084	J Ethnopharmacol	WB
Yan Yang	34582523	Biomater Sci	IF,FC
Haoyu Guo	36201949	Biomaterials	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

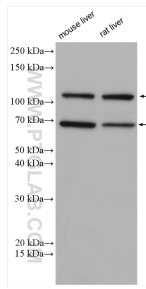
For technical support and original validation data for this product please contact:

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

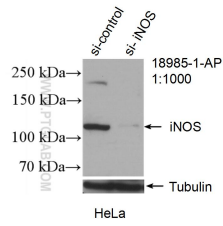
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

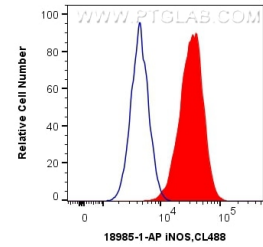
Données de validation sélectionnées



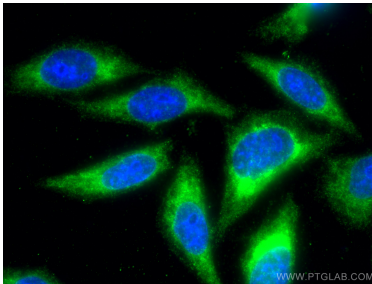
Various lysates were subjected to SDS PAGE followed by western blot with 18985-1-AP (iNOS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.



1×10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human iNOS (18985-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using iNOS antibody (18985-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).