

Nur für Forschungszwecke

iNOS Polyklonaler Antikörper

Katalog-Nr.: 22226-1-AP

50 Publikationen



Allgemeine Informationen

Katalog-Nr.: 22226-1-AP	GenBank-Zugangsnummer: BC130283	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 4843	Empfohlene Verdünnungen: WB 1:200-1:1000
Wirt: Kaninchen	Vollständiger Name: nitric oxide synthase 2, inducible	
Isotyp: IgG	Berechnete Masse: 1153 aa, 131 kDa	
Immunogen Katalognummer: AG17567	Beobachtete Masse: 110-130 kDa, 65-70 kDa	

Anwendungen

Geprüfte Anwendungen: FC, WB, ELISA	Positivkontrollen: WB: RAW 264.7-Zellen,
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

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 (PMID:11786228).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Mao Kobayashi	32992650	Int J Mol Sci	WB
Jingming Zhuang	36161709	Andrology	WB
Dewei He	36139502	Cells	WB

Lagerung

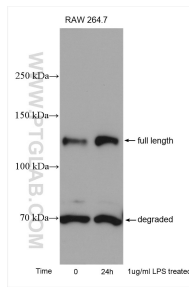
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

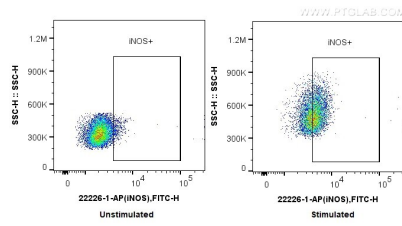
For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Untreated and LPS treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 22226-1-AP (NOS2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



1X10⁶ LPS treated RAW 264.7 cells were intracellularly stained with 0.4 ug Anti-Human iNOS (22226-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).