www.antibodiesinc.com
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PRODUCT DATASHEET

Anti-iNOS (C-terminal region) Antibody

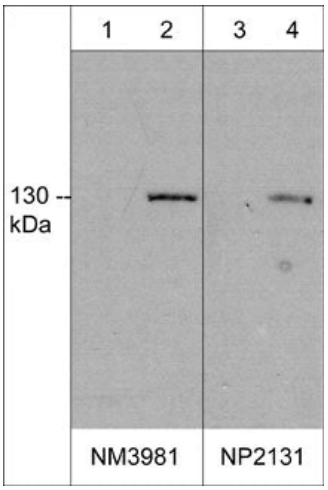
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:NM3981)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	M398
Gene Name	NOS2
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:250 ICC: 1:50
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone (M398) was generated from a recombinant protein that included amino acid residues within the C-terminal region of human iNOS. The human iNOS sequence used has high homology with similar regions in rat and mouse iNOS.
Specificity	The antibody detects a 130 kDa* protein on SDS-PAGE immunoblots of mouse macrophages (RAW264.7) treated with IFNγ and LPS, or J774A.1 cells treated with LPS only.
Molecular Weight	130
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P35228 UniProt Summary: Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such PTGS2/COX2. As component of the iNOS-S100A8/9 transnitrosylase complex involved in the selective inflammatory stimulus-dependent S-nitrosylation of GAPDH on 'Cys-247' implicated in regulation of the GAIT complex activity and probably multiple targets including ANXA5, EZR, MSN and VIM. Involved in inflammation, enhances the synthesis of pro-inflammatory mediators such as IL6 and IL8.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	4843

Product Images



Western blot analysis of mouse macrophages untreated (lanes 1 & 3) or treated with LPS (1µg/ml) for 18 hrs (lanes 2 & 4). The blots were probed with mouse monoclonal anti-iNOS at 1:500 (lanes 1 & 2) or rabbit polyclonal anti-iNOS at 1:250 (NP2131).



Created on 20. November 2026 | All information without guarantee