iNOS Antibody			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
	Support:	877-678-TECH (8324)	
#2982	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane Danvers Mas	sachusetts 01923 USA	
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: W	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit	UniProt ID: #P29477	Entrez-Gene Id: 18126	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sen	sitivity	iNOS Antibody detects endogenous levels of total iNOS protein.					
Source / Purific	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide sourrounding Ala1130 of mouse iNOS. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		oxygen, and cofactors found primarily in neu lipopolysaccharides ir expressed in blood ve	s. Three family mem uronal tissue; induc n the kidney and car essels (1). NO is a me aintenance of vascu	e formation of nitric oxid obers have been charact ible NOS (iNOS), which is rdiovascular system; and essenger molecule with ular integrity, homeostas	erized: neuronal NG s induced by interfe l endothelial NOS (e diverse functions tl	DS (nNOS), which is eron gamma and eNOS), which is nroughout the	
		constitutively express transcriptionally indu cytokines in macroph transcription include	ed eNOS and nNos, ced in response to b ages and various ot NF-кВ, AP-1, and ST, e, and p44/42 MAP b	defense against protozo iNOS is not usually exp pacterial endotoxins suc cher cell types. Transcrip AT. Different signaling p. kinase) or inhibit (PI3 kin	ressed in quiescent h as LPS and proinf tion factors involve athways either pror	cells. iNOS is lammatory d in iNOS note (Jak1/2, PKC,	
Background Re	eferences	1. Tsutsui, M. (2004) <i>J Atheroscler Thromb</i> 11, 41-8. 2. Son, H. et al. (1996) <i>Cell</i> 87, 1015-23. 3. Hawkins, R.D. (1996) <i>Neuron</i> 16, 465-7. 4. Bogdan, C. (2001) <i>Nat Immunol</i> 2, 907-16.					
Species Reactiv	/ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Ke	ey	W: Western Blotting					
Cross-Reactivit	у Кеу	M: Mouse					
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