iNOS polyclonal antibody

The diffusible free radical gas nitric oxide (NO) affects a variety of physiological functions, and is a key regulator of the cardiovascular, nervous, and immune systems. NO is synthesized in many tissues from L-arginine, oxygen, and NADPH by three known isoforms of a heme-containing flavoprotein termed NO synthase (nNOS/NOS-I, iNOS/NOS-II, and eNOS/NOS-III). nNOS is a constitutively expressed neuronal NOS isoform that exits in its latent form until it is activated by the binding of calmodulin follo wing elevation of intracellular calcium levels. The C-terminus of nNOS contains a conserved serine residue, Ser1417, analogous to Ser1177 of the constitutively expressed endothelial NOS isoform (eNOS). Phosphorylation of Ser1417 is believed to regulate nNOS activation, particularly in glucose-sensing neurons, where inhibition of AMPK pathways by glucose and leptin serve to suppress nNOS activity, whereas activation of AMPK by insulin leads to nNOS activation.

This antibody is covered by our Worry-Free Guarantee.

Citations: 14 View Online »

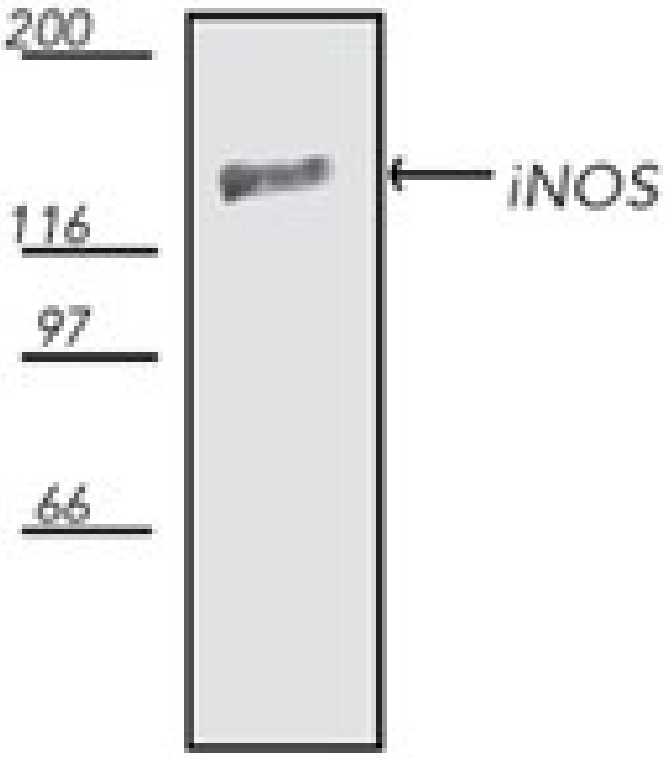
Ordering Information

Order Online »

ADI-KAS-NO001-D	50µg
ADI-KAS-NO001-F	200µg

Manuals, SDS & CofA

View Online »



Western blot analysis: rat brain extract, probed with iNOS, pAb.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	NOS2, NOS II, Nitric oxide synthase (inducible), Hepatocyte NOS
Application	IP, WB
Application Notes	Detects a band of ~130kDa by Western blot.
Formulation	Liquid. In PBS containing 50% glycerol and 0.09% sodium azide.
Gene/Protein Identifier	NM_010927 (RefSeq)
Host	Rabbit
Immunogen	Synthetic peptide corresponding to aa 1131-1144 of mouse iNOS.
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Western Blot (1:1,000, ECL)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from rabbit serum.
Species Reactivity	Bovine, Mouse, Rat
UniProt ID	P29477
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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