

Anti-iNOS (Tyr-1055) [conserved site], Phosphospecific Antibody

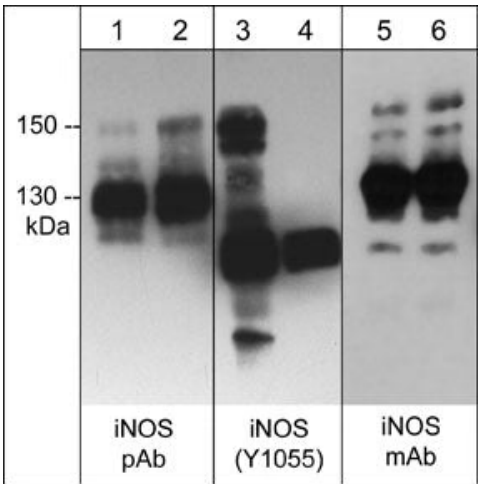


Product Details

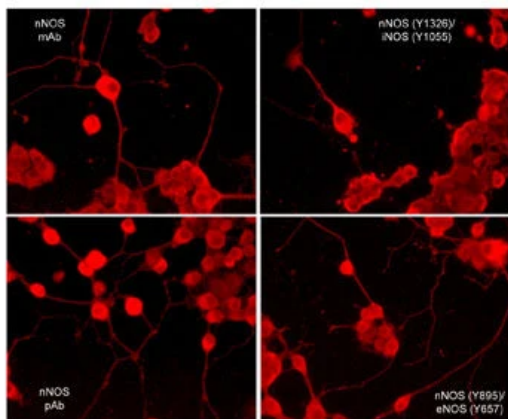
Available Variants	100 µL (SKU:NP4091)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	NOS2
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000 ICC: 1:400
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-iNOS (Tyr-1055) synthetic peptide (coupled to carrier protein) corresponds to amino acids surrounding Tyr-1055 in human iNOS. This sequence is well conserved in rat and mouse iNOS, and has some homology to the conserved sites in eNOS (Tyr-1087) and nNOS (Tyr-1326).
Specificity	The antibody detects a 130 kDa* protein corresponding to induced NOS on SDS-PAGE immunoblots of mouse macrophages treated with LPS followed by pervanadate. The antibody also detects a 150 kDa doublet that corresponds with higher molecular weight forms of NOS, which are also observed using other anti-iNOS antibodies. In addition, the antibody detects a non-specific 120 kDa band that has not been identified.
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	<u>P35228</u>
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.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Tyr-1055

Product Images



Western blot analysis of mouse macrophages (J774A.1) treated with LPS (1µg/ml) for 18 hrs followed by pervanadate (1 mM) for 30 min. (lanes 1, 3 & 5). The blots were then treated with alkaline phosphatase (lanes 2, 4 & 6). Blots were probed with rabbit polyclonal anti-inducible Nitric Oxide Synthase (iNOS) (lanes 1 & 2), anti-iNOS (Tyr-1055) (lanes 3 & 4), and mouse monoclonal anti-iNOS (lanes 5 & 6).



Immunocytochemical labeling of nNOS phosphorylation in rat PC12 cells differentiated with NGF. The cells were probed with mouse monoclonal (mAb) nNOS (NM4011), and rabbit polyclonal (pAb) nNOS (C-terminal region), nNOS (Tyr-895)/eNOS (Tyr-657), and nNOS (Tyr-1326)/iNOS (Tyr-1055). The antibodies were detected using appropriate secondary antibody conjugated to DyLight® 594.

Product Page URL: www.antibodiesinc.com/products/anti-inos-tyr-1055-conserved-site-phosphospecific-antibody-np4091



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