www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-nNOS (C-terminal region) Antibody

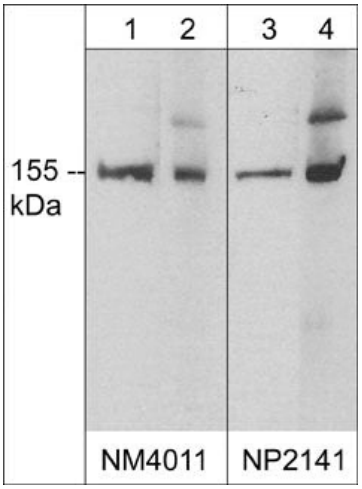
phosphosolutions ANTIBODIES THAT WORK

Product Details

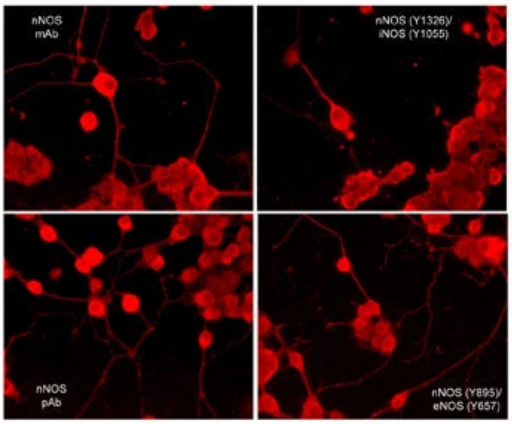
Available Variants	100 µL (SKU:NM4011)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	M401
Gene Name	NOS1
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:200 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone (M401) was generated from a recombinant protein that included amino acid residues within the C-terminal region of human nNOS. This human nNOS sequence has high homology with similar regions in rat and mouse nNOS.
Specificity	The antibody detects a 155 kDa* protein on SDS-PAGE immunoblots of rat and mouse brain tissue lysates, as well in the rat pituitary cell line GC.
Molecular Weight	155
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	P29475 UniProt Summary: Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR.
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	4842

Product Images



Western blot analysis of nNOS expression in adult mouse brain (lanes 1 & 3) and rat GC cells (lanes 2 & 4). The blots were probed with mouse monoclonal anti-nNOS (C-terminal region) at 1:1000 (lanes 1 & 2) or rabbit polyclonal anti-nNOS at 1:250 (lanes 3 & 4).



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.