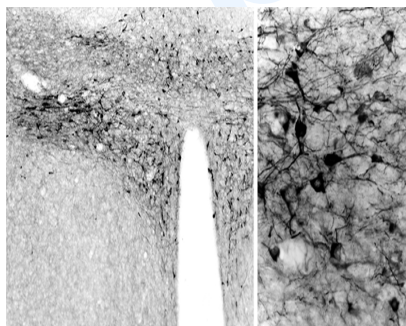


Mouse monoclonal antibody to Nitric Oxide Synthase [N1]: IgG

Catalogue No.:	M-989-100
Description:	Nitric oxide synthase (NOS) catalyses the formation of nitric oxide, an important messenger molecule in functions such as homeostasis and synaptic plasticity. NOS is classified into three types: (1) neuronal NOS (nNOS) or brain NOS (bNOS) (2) inducible NOS (iNOS) or macrophage NOS (mNOS) and (3) endothelial NOS (eNOS).
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A recombinant neuronal NOS fragment from rat brain.
Clone:	N1
Other Names:	neuronal NOS; nNOS; brain NOS; bNOS; NOS type 1; NOS1; NC-NOS; Constitutive NOS;
Accession:	P29475 NOS1_HUMAN; P29476 NOS1_RAT;
Produced in:	Mouse
Purity:	IgG
Applications:	Western Blotting (WB). A concentration of 0.5 ug/mL is recommended for WB. Human NOS (nNOS-1) has a predicted length of 1,434 residues and MW of 161 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; rat; goat; pig;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase



Neuronal Nitric Oxide Synthase (nNOS) immunoreactivity was detected in floated cryo-sections of the rat hypothalamus with the M-989-100 monoclonal antibody (0.2 µg/ml), using the biotinylated secondary antibody-ABC method and nickel-diaminobenzidine chromogen. Intensely labeled nNOS-immunoreactive neurons occur in high numbers in the caudal part of the hypothalamic paraventricular nucleus. Photo courtesy of Dr. Erik Hrabovszky, Hungarian Academy of Sciences, Budapest, Hungary.

FOR RESEARCH USE ONLY