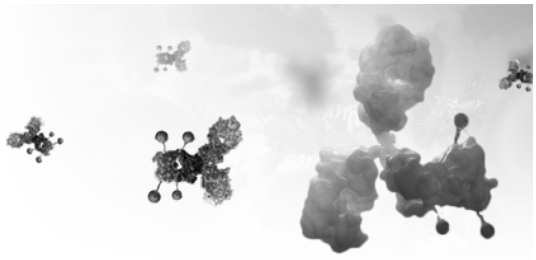

Rabbit Anti-NOS1 monoclonal antibody, clone TU631 (DCABH-9674)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	nNOS
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU631
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	161 kDa
Cellular Localization	Cell membrane, Cell projection.
Positive Control	PC-12, PC-3M, SH-SY-5Y, mouse heart tissue, rat testis tissue, rat brain tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Nitric oxide (NO) has a broad range of biological activities and has been implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOSs), the enzymes responsible for synthesis of NO, contain an N-terminal oxygenase domain and a C-terminal reductase domain. NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O2) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca2+/CaM-dependent forms of NOS, including NOS1 (also designated ncNOS) whose activity was first identified in neurons, and NOS3 (also designated ecNOS), first identified in endothelial cells. The inducible form of NOS, NOS2 (also designated iNOS), is Ca2+-independent and is expressed in a broad range of cell types.
Keywords	2310005C01Rik;BNOS;Constitutive NOS;EC 1.14.13.39;IHPS 1;IHPS1;N-NOS;NC-NOS;neuronal Nitric Oxide Synthase;Neuronal NOS;Nitric oxide synthase , neuronal, included;Nitric oxide synthase 1 (neuronal);Nitric oxide synthase 1;Nitric oxide synthase, brain;Nitric oxide synthase, penile neuronal, included;NNOS;NO;NOS 1;NOS;NOS type I;NOS-I;NOS1;NOS1_HUMAN;Peptidyl-cysteine S-nitrosylase NOS1 antibody

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