Product Datasheet

nNOS Conjugated Antibody

Catalog No: #C48898

Package Size: #C48898-AF350 100ul #C48898-AF405 100ul #C48898-AF488 100ul #C48898-AF555 100ul #C48898-AF594 100ul #C48898-AF647 100ul #C48898-AF680 100ul #C48898-AF750 100ul #C48898-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	nNOS Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	2310005C01Rik antibody BNOS antibody Constitutive NOS antibody EC 1.14.13.39 antibody IHPS 1 antibody IHPS1 antibody N-NOS antibody NC-NOS antibody neuronal Nitric Oxide Synthase antibody Neuronal NOS antibody Nitric oxide synthase , neuronal, included antibody Nitric oxide synthase 1 (neuronal) antibody Nitric oxide synthase 1 antibody Nitric oxide synthase, brain antibody Nitric oxide synthase, penile neuronal, included antibody NNOS antibody NO antibody NOS 1 antibody NOS antibody NOS type I antibody NOS-I antibody NOS1 antibody NOS1_HUMAN antibody Peptidyl-cysteine S-nitrosylase NOS1 antibody
Accession No.	Swiss-Prot#:P29475
Uniprot	P29475
GeneID	4842;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	161 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only