

Product Datasheet

Anti-nNOS/NOS1 Antibody FL490 Conjugate



Overview

Catalog #	75-481-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	L121/42
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 350-720 of human NOS1 (accession number P29475) produced recombinantly in E. Coli
Molecular Weight	155-165 kDa for full-length protein, smaller fragments possible due to proteolysis and/or variable sample preparation
Cite this Antibody	Antibodies Inc Cat# 75-481-FL490, RRID: AB_2940604

Details

Target Description	Nitric Oxide Synthase 1 is encoded by the gene NOS1. NOS1 is a member of the NOS family. NOS1 synthesizes nitric oxide from L-arginine, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. NOS1 is expressed ubiquitously, with high levels of expression in skeletal muscle. Diseases associated with NOS1 include Achalasia, Familial Esophageal and Pyloric Stenosis, Infantile Hypertrophic, 1.
Specificity	No cross-reactivity reported
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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