

For Research Use Only

# CoraLite® Plus 488-conjugated nNOS Polyclonal antibody



Catalog Number: **CL488-29231**

## Basic Information

<b>Catalog Number:</b> CL488-29231	<b>GenBank Accession Number:</b> NM_000620	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4842	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29475	
<b>Isotype:</b> IgG	<b>Full Name:</b> nitric oxide synthase 1 (neuronal)	
<b>Immunogen Catalog Number:</b> AG28910	<b>Calculated MW:</b> 161 kDa	
	<b>Observed MW:</b> 160 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
mouse, rat

## Background Information

nNOS belongs to the NOS family. nNOS 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. NO is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. NO is synthesized from L-arginine by nitric oxide synthases. nNOS is a nitric oxide synthase which is highly expressed in skeletal muscle. Genetic variations in nNOS gene are associated with susceptibility to infantile hypertrophic pyloric stenosis type 1 (IHPS1). The antibody can recognize isoform 1,2,4 of nNOS.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

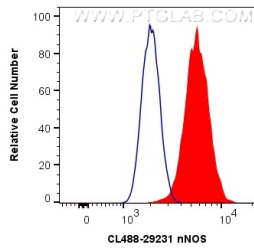
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human nNOS (CL488-29231) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).