

For Research Use Only

CoraLite® Plus 488-conjugated nNOS Polyclonal antibody



Catalog Number: CL488-29231

Basic Information

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

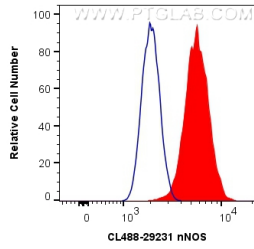
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.8 μ g CoraLite® Plus 488 Anti-Human nNOS (CL488-29231) (red), or 0.8 μ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).