

Rabbit Anti-NOS1 Polyclonal Antibody

CPB-1057RH Rabbit(NOS1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-NOS1 Polyclonal Antibody
Antigen Description	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.
specificity	The antibody detects endogenous level of total NMDAR2B protein.
Target	NOS1
Immunogen	Peptide sequence around aa. 850~854 (F-N-S-V-S) derived from Human NOS1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

ANTIGEN GENE INFORMATION

Gene Name	NOS1 nitric oxide synthase 1 (neuronal) [Homo sapiens]
Official Symbol	NOS1
Synonyms	NOS1; nitric oxide synthase 1 (neuronal); NOS; nitric oxide synthase, brain; nNOS; NOS type I; neuronal NOS; constitutive NOS; peptidyl-cysteine S-nitrosylase NOS1; bNOS; IHPS1; N-NOS; NC-NOS;
GeneID	4842
mRNA Refseq	NM_000620
Protein Refseq	NP_000611
MIM	163731
UniProt ID	P29475
Chromosome Location	12q14-qter
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Calcium signaling pathway, organism-specific biosystem;

Function

FMN binding; NADP binding; arginine binding; cadmium ion binding; calmodulin binding; flavin adenine dinucleotide binding; heme binding; metal ion binding; nitric-oxide synthase activity; nitric-oxide synthase activity; oxidoreductase activity; protein binding; tetrahydrobiopterin binding;