

# Anti-nNOS Antibody

Rabbit polyclonal antibody to nNOS Catalog # AP60923

#### **Product Information**

ApplicationWBPrimary AccessionP29475Other AccessionQ92014

**Reactivity** Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW160970

## **Additional Information**

**Gene ID** 4842

Other Names Nitric oxide synthase brain; Constitutive NOS; NC-NOS; NOS type I; Neuronal

NOS; N-NOS; nNOS; Peptidyl-cysteine S-nitrosylase NOS1; bNOS

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the

C-term region of human nNOS. The exact sequence is proprietary.

**Dilution** WB~~WB (1/500 - 1/1000)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

**Storage** Store at -20 °C.Stable for 12 months from date of receipt

### **Protein Information**

Name NOS1 ( HGNC:7872)

**Function** 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. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins

such SRR.

Cellular Location Cell membrane, sarcolemma {ECO:0000250 | UniProtKB:Q9Z0J4}; Peripheral

membrane protein. Cell projection, dendritic spine

{ECO:0000250|UniProtKB:P29476}. Note=In skeletal muscle, it is localized beneath the sarcolemma of fast-twitch muscle fiber by associating with the dystrophin glycoprotein complex (By similarity) In neurons, enriched in dendritic spines (By similarity) {ECO:0000250|UniProtKB:P29476,

ECO:0000250 | UniProtKB:Q9Z0J4}

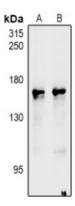
#### **Tissue Location**

Isoform 1 is ubiquitously expressed: detected in skeletal muscle and brain, also in testis, lung and kidney, and at low levels in heart, adrenal gland and retina. Not detected in the platelets. Isoform 3 is expressed only in testis. Isoform 4 is detected in testis, skeletal muscle, lung, and kidney, at low levels in the brain, but not in the heart and adrenal gland

# **Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human nNOS. The exact sequence is proprietary.

## **Images**



Western blot analysis of nNOS expression in A549 (A), HEK293T (B) whole cell lysates.

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