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**Product Name: nNOS (neuronal) Rabbit Monoclonal Antibody****Catalog #: AMRe87245**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,FC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC/IF 1:100-1:200,FC 1:200-1:500,IP 1:100-1:200
<b>Molecular Weight</b>	Calculated MW:161 kDa; Observed MW:161 kDa

**Antigen Information**

<b>Gene Name</b>	nNOS (neuronal)
<b>Alternative Names</b>	NOS; bNOS; nNOS; IHPS1; N-NOS; NC-NOS
<b>Gene ID</b>	4842
<b>SwissProt ID</b>	P29475
<b>Immunogen</b>	A synthetic peptide of human nNOS (neuronal)

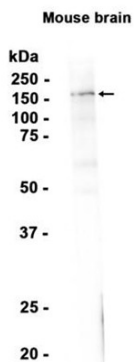
**Background**

The protein encoded by this gene belongs to the family of nitric oxide synthases, which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission, and

antimicrobial and antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many properties of a neurotransmitter, and has been implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally, alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.[provided by RefSeq, Feb 2011]

## Research Area

## Image Data



Western blot analysis of extracts from Mouse brain tissue using nNOS (neuronal) Rabbit Monoclonal Antibody at 1:1000.