

## Product Datasheet

### Anti-nNos/NOS1 Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

WL01793

#### Product Information

<b>Product name</b>	Anti-nNos/NOS1 Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:500-1:1000
	IHC	1:100-1:300
	IF	1:100-1:200
<b>Cellular localization</b>	Cell membrane, sarcolemma. Cell projection, dendritic spine.	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

#### General Information

<b>Background</b>	Nitric oxide (NO) has a broad range of biological activities and has been implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOSs), the enzymes responsible for synthesis of NO, contain an N-terminal oxygenase domain and a C-terminal reductase domain. NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O <sub>2</sub> ) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca <sup>2+</sup> /CaM-dependent forms of NOS, including NOS1 (also designated ncNOS) whose activity was first identified in neurons, and NOS3 (also designated eNOS), first identified in endothelial cells.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of nNos/NOS1.
<b>Purification</b>	Polyclonal antibody was purified by immunogen affinity chromatography.

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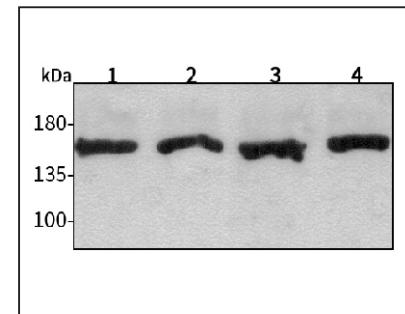
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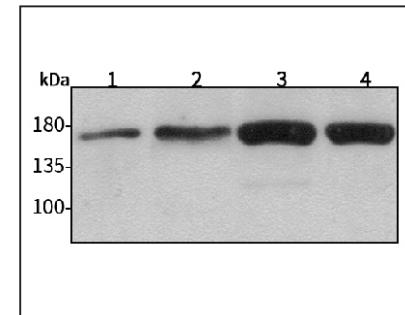
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#### Product Images



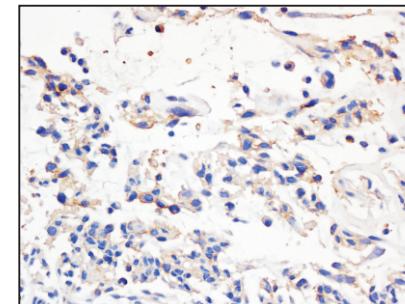
**Western blot-Anti-nNos/NOS1 pAb**

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human Hela cell lysate  
 Lane 3: Human BGC-823 cell lysate  
 Lane 4: Human MGC-803 cell lysate  
 All lanes: Anti-nNos/NOS1 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 161 kDa  
 Observed band size: 161 kDa



**Western blot-Anti-nNos/NOS1 pAb**

Lane 1: Rat kidney tissue lysate  
 Lane 2: Mouse heart tissue lysate  
 Lane 3: Rat brain tissue lysate  
 Lane 4: Mouse cerebellum tissue lysate  
 All lanes: Anti-nNos/NOS1 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 161 kDa  
 Observed band size: 161 kDa



**Immunohistochemistry-Anti-nNos/NOS1 pAb**

Immunohistochemical analysis of paraffin-embedded human brain glioma using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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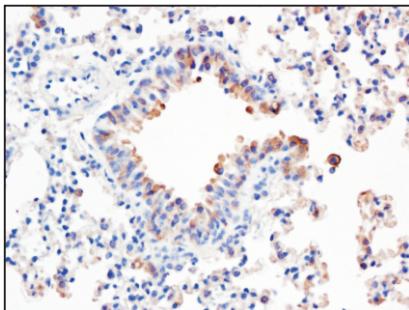
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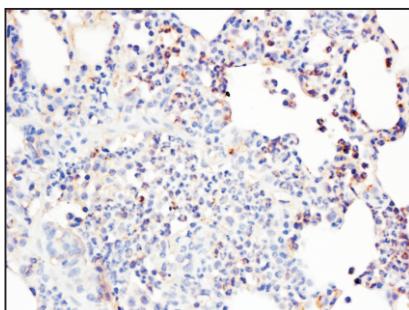
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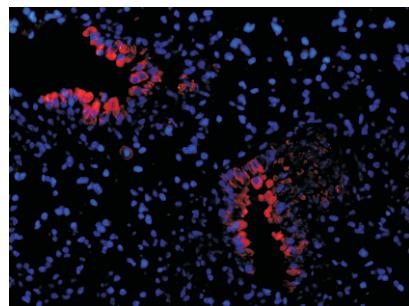
#### Immunohistochemistry-Anti-nNos/NOS1 pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunohistochemistry-Anti-nNos/NOS1 pAb

Immunohistochemical analysis of paraffin-embedded rat lung using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-nNos/NOS1 pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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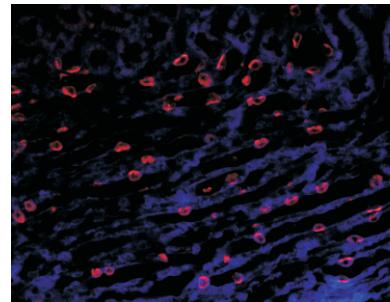
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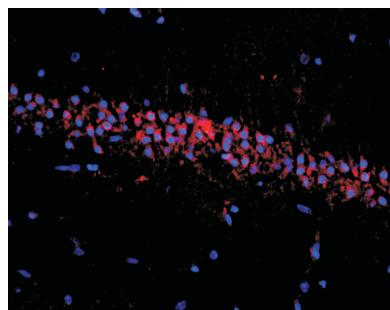
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#### Product Images



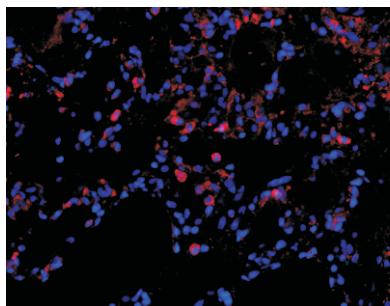
#### Immunofluorescence-Anti-nNos/NOS1 pAb

Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-nNos/NOS1 pAb

Immunofluorescence analysis of paraffin-embedded mouse brain using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-nNos/NOS1 pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

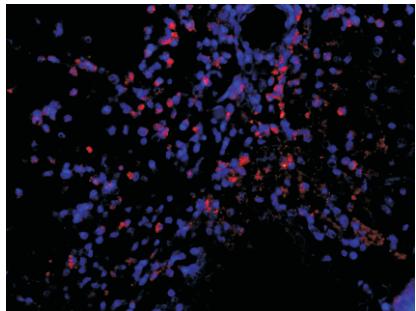
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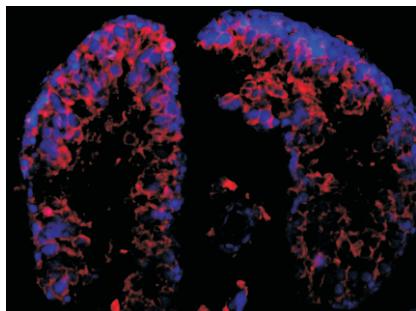
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#### Immunofluorescence-Anti-nNos/NOS1 pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunofluorescence-Anti-nNos/NOS1 pAb

Immunofluorescence analysis of paraffin-embedded rat testicle using anti-nNos/NOS1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.