

**PAA815Ra03**

**Polyclonal Antibody to Nitric Oxide Synthase 1, Neuronal (NOS1)**

**Organism: Rattus norvegicus (Rat)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

8th Edition (Revised in Jun, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** NOS1, Rat

**Clonality:** Polyclonal

**Host:** Rabbit

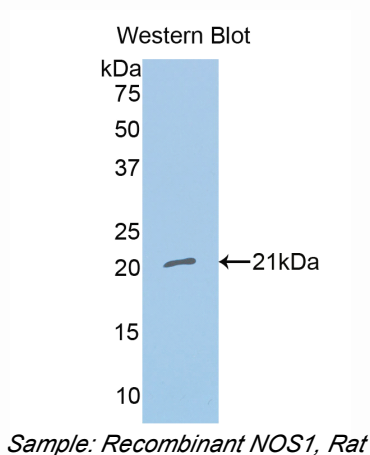
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

**Applications:** WB, ICC, IHC-P, IHC-F, ELISA

**Concentration:** 200µg/mL

**UOM:** 100µg



## **[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant NOS1 (Arg726~Asp894) expressed in *E.coli*.

**USCN Accession No.:** RPA815Ra03

**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSG SEF-RRAIG FKKLAEAVKF SAKLMGQAMA KRVKATILYA TETGKSQAYA  
KTLCEIFKHA FDAKAMSMEE YDIVHLEHEA LVLVVTSTFG NGDPPENGEK FGCALMEMRH  
PNSVQEERKY PEPLRFFPRK GPSLSHVDSE AHSLVAARDS QHRSYKVRFN SVSSYSDSRK  
SSGD

## [ **ANTIBODY SPECIFICITY** ]

The antibody is a rabbit polyclonal antibody raised against NOS1. It has been selected for its ability to recognize NOS1 in immunohistochemical staining and western blotting.

## [ **APPLICATIONS** ]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## [ **CONTENTS** ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02%  $\text{NaN}_3$ , 50% glycerol.

## [ **QUALITY CONTROL** ]

**Content:** The quality control contains recombinant NOS1 (Arg726~Asp894) disposed in loading buffer.

**Usage:** 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.  
5uL per well when used in enhanced chemiluminescent (ECL).

**Note:** The quality control is specifically manufactured as the positive control. Not used for other purposes.

**Loading Buffer:** 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%,  $\text{NaN}_3$  0.02%.

## [ **STORAGE** ]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.