



## Anti NO Synthase II (77-105) (Rat) Serum

Cat. No. YII-YP051-EX      Lot No. 114100514

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic NO synthase II (NOS-II, iNOS) (77-105) (rat) peptide. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with NO synthase II (rat).

**Immunogen:** Synthetic NO Synthase II (77-105) (rat), carrier free **Host:** Rabbit

**Amino Acid Sequence of NO Synthase II (77-105) (rat)<sup>1)</sup>:**

77 105

TRPQ HVRIKNWGNG EIFHDTLHHK ATSDI

**Product Form:** Lyophilized unpurified serum **Size:** 50 µL

**Reconstitution:** Reconstitute the product with 0.5mL of 0.01M PBS (pH7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN<sub>3</sub> 0.1%).

**Storage:** The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

**Suggested Working Dilution Range:** 1:1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): NO synthase II (rat) 100%, NO Synthase II (mouse) 70%, NO Synthase I (rat) 0%, NO Synthase III (rat) 0%

**Positive Control** (immunohistochemistry): Cytokine treated rat hepatocytes and smooth muscle cells

**Species Tested:** Rat

### REFERENCES:

1) Y. Nunokawa, N. Ishida and S. Tanaka, Cloning of inducible nitric oxide synthase in rat vascular smooth muscle cells. Biochemistry and Biophysics Research Communications 191:89-95, 1993

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

