Anti NO Synthase II (77-105) (Rat) Serum Cat. No. YP051 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)[1]:

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_3 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 S ynthase 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

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