## Anti Na<sup>+</sup> Channel II (467-485) (Rat) Serum Cat. No. Y400 Lot No. 144100514

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic sodium channel subtype II (467-485) (rat) peptide. The product vial contains  $50 \,\mu$ L of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with Na<sup>+</sup> channel II (rat).

**Immunogen:** Synthetic Na<sup>+</sup> channel II (467-485) (rat), carrier free **Host:** Rabbit

Amino Acid Sequence of Na<sup>+</sup> Channel II (468-185) (rat)<sup>1)</sup>:

46

485

ASAE SRDFSGAGGI GVFSE

Product Form: Lyophilized unpurified serum

Size: 50 µL

**Reconstitution:** Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) 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. Reconstituted antiserum solution can also be aliquotted and stored at -20°C to -80°C for six months without marked loss of activity. Repeated freezing- thawing should be avoided.

**Suggested Working Dilution Range:** 1: 1,000- 4,000 for immunohistochemistry (frozen section)<sup>2)</sup>. Optimal dilution should be determined by each laboratory for each application.

Positive Control (immunohistochemistry): Rat adrenal gland

Species Tested: Rat

## REFERENCES:

- 1) M. Noda, T. Ikeda et al., Existence of distinct sodium channel messenger RNAs in rat brain. Nature 320: 188-192, 1986
- 2) F. Kasuga, N. Yanaihara et al., Characterization of rat sodium channels in neuroendocrine cells using region-specific antibodies. Biomedical Research 20: 295-300, 1999

## FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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