



**Anti Na<sup>+</sup> Channel II (467-485) (Rat) Serum**  
**Cat. No. YII-Y400-EX      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 50µL 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>:**

467 485

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 reconstituted, 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

