

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 μ L of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5 mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with Na⁺ channel II (rat).

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

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

467 ASAE SRDFSGAGGI GVFSF 485

Product Form: Lyophilized unpurified serum **Size:** 50 μ L

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_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. 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)²⁾. Optimal dilution should be determined by each laboratory for each application.

Positive Control (immunohistochemistry): Rat adrenal gland

Species Tested: Rat

REFERENCES:

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

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