## Anti ATP Receptor P2X4 (370-388) (Rat) Serum Cat. No. YP060 Lot No. 251100806

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic ATP receptor P2X4 (370-388) (rat) fragment. 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 ATP receptor P2X4 (rat).

**Immunogen:** Synthetic ATP receptor P2X4 (370-388) (rat), carrier free **Host:** Rabbit

**Amino Acid Sequence of ATP receptor P2X4 (370-388) (rat)[1]:**

370 388

K KYKYVEDYEQ GLSGEMNQ

**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:** 1:5,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): P2X4 (rat), not tested for other P2X subtypes

**Positive Control** (immunohistochemistry): Rat brain, testis

**Species Tested:** Rat

**REFERENCES:**

1) F. Soto, M. Garcia-Guzman et al., P2X4: an ATP-activated ionotropic receptor cloned from rat brain. Proceedings of National Academy of Sciences USA 93:3684-3688, 1996

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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