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GUINEA PIG ANTI-P2X3 RECEPTOR POLYCLONAL ANTIBODY

CATALOG NUMBER: AB5896

LOT NUMBER:

QUANTITY: 50 µL

SPECIFICITY: P2X3 Receptor.

IMMUNOGEN: A 15 amino acid peptide corresponding to amino acids 383-397 from the carboxy-terminus of the rat P2X3 Receptor protein (Catalog Number AG356).

APPLICATIONS: Immunohistochemistry: 1:1,000.
Immunocytochemistry: 1:1,000.
Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Rat, human and mouse. Other species have not been tested.

FORMAT: Serum

PRESENTATION: Liquid. Contains no preservative.

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.

REFERENCE:

Ji, R. et al., *Neuron* (2002) **36**:57-68.

Averill, S., et al., (2002) Dynamic pattern of Reg-2 expression in rat sensory neurons after peripheral nerve injury. *J. Neuroscience* **22**:7493-7501.

RELATED REFERENCES:

Chen, C.C., et al., (1995) A P2X purinoceptor expressed by a subset of sensory neurons. *Nature* **377**:428-431.

Lewis, C., et al., (1995) Coexpression of P2X2 and P2X3 receptor subunits can account for ATP-gated currents in sensory neurons. *Nature* **377**:432-425.

Vulchanova, L., et al., (1997) Immunohistochemical study of the P2X2 and P2X3 receptor subunits in rat and monkey sensory neurons and their central terminals. *Neuropharmacology* **36**:1229-1242.

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APPLICATION NOTES FOR AB5896

IMMUNOHISTOCHEMISTRY

Male Sprague-Dawley rats (b.wt. 100-150g) were anesthetized with sodium pentobarbital and perfused via the ascending aorta with: 1) 50 mL of Ca2+-free Tyrode+s solution followed by 2) a formalin-picric acid fixative (4% paraformaldehyde with 0.4% picric acid in 0.16 M phosphate buffer, pH 6.9) and 3) 10% sucrose in PBS as a cryo-protectant. Tissues were rapidly dissected out and stored overnight in 0.1 M phosphate buffer (pH 7.4) containing 10% sucrose.

Slide-mounted tissue sections were incubated with blocking buffer for 1 hour at room temperature. Primary antibody was diluted in blocking buffer to the appropriate working dilution. Blocking buffer was removed and the slides were then incubated at 2-8°C for 18-24 hours with AB5896 (1:1,000). After rinsing in PBS 3 times sections were incubated for 60 minutes at room temperature with Cy3-conjugated secondary antibodies. After mounting in a mixture of PBS and glycerol (1:3) containing 0.1% p-phenylenediamine, sections were examined with a Nikon Microphot-SA epifluorescence microscope.

IMMUNOCYTOCHEMISTRY

P2X3 transfected cells were processed for indirect immunofluorescence. Media was removed and cells were gently washed 3 times with serum-free media. Following fixation procedure, cells were processed for indirect immunofluorescence as above.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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