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GUINEA PIG ANTI-MU OPIOID RECEPTOR POLYCLONAL ANTIBODY

CATALOG NUMBER: AB5509

LOT NUMBER:

QUANTITY: 50 µL

SPECIFICITY: Mu Opioid receptor.

IMMUNOGEN: Synthetic peptide from the C-terminus of rat Mu Opioid receptor (Catalog number AG375).

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

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

FORMAT: Guinea pig serum.

PRESENTATION: PBS containing 0.05% sodium azide.

STORAGE/HANDLING: Maintain at -20°C in undiluted for up to 1 year after date of receipt. Avoid repeated freeze/thaw cycles.

RELATED REFERENCES: Arvidsson, U., et al., *J. Neuroscience* (1995) **15**:3328-3341.

APPLICATION NOTES FOR AB5509

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 paraformaldehyde-picric acid fixative 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 AB5509. 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

Mu opioid receptor transfected cells were processed for indirect immunofluorescence. Media was removed and cells were gently washed 3 times with serum free media. Media was removed and cells were gently washed 3 times with serum free media. Following fixation, cells were processed for indirect immunofluorescence as described 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

28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com