

GUINEA PIG ANTI-SUBSTANCE P POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB5892
LOT NUMBER:	
QUANTITY:	50 µL
SPECIFICITY:	Substance P.
IMMUNOGEN:	A 12 amino acid peptide corresponding to amino acids 1-11 from rat Substance P.
APPLICATIONS:	Immunohistochemistry: 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 0.05% sodium azide.
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles.

APPLICATION NOTES FOR AB5892

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 cryoprotectant. 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 4°C for 18-24 hours with AB5892 (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.

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