



RABBIT ANTI-SEROTONIN POLYCLONAL ANTIBODY

CATALOG NUMBER: AB938

LOT NUMBER: xxxxx

QUANTITY: 500 μ L

SPECIFICITY: The antiserum provided has been evaluated for its ability to stain serotonin-containing structures in the ileum of man. Staining is positive using both the immunoperoxidase or immunofluorescence procedures.

IMMUNOGEN: The antigen used in the production of this antiserum is serotonin covalently bound to bovine thyroglobulin with carbodiimide.

TISSUE EVALUATION: Formalin-fixed and paraffin embedded sections (5-6 microns thick) of human small intestine were used in the evaluation of this antiserum.

IMMUNOPEROXIDASE STAINING:

1. The sections to be stained are hydrated to phosphate buffered saline (PBS, pH 7.4).
2. The antiserum diluted 1:1,000-1:2,000 (in PBS) is allowed to react with the tissue at 37°C for 30 minutes.
3. Using PBS, the tissue is washed for 15 minutes at room temperature and treated sequentially with goat anti-rabbit gamma globulin (diluted 1:20 in PBS) and peroxidase anti-peroxidase complex (diluted 1:100 in PBS) for 30 minutes at 37°C. After each of these steps, the tissue is washed with PBS as before.
4. The final stage of the reaction is treatment of the section with a mixture of 3,3' -diaminobenzidine HCl (0.02%) in hydrogen peroxide (0.004%). For preservation, the sections are dehydrated, cleared and mounted.

IMMUNOFLUORESCENCE STAINING:

1. Same as Step 1 above.
2. The tissue is reacted with the antiserum, diluted 1:20-1:40 in (PBS) for 30 minutes at 37°C.
3. After washing off the excess antiserum with PBS, the section is treated with fluorescein-labeled goat anti-rabbit gamma globulin serum (diluted 1:10 in PBS) for 30 minutes at 37°C. The tissue is washed with PBS and after mounting under saline-glycerol, is viewed with a fluorescence microscope.

FORMAT: Liquid antiserum. Contains 0.1% sodium azide.

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.



REFERENCES:

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5. Dahlstrom, A., et al. *Acta Physiol Scand.*, **117**:589-591 (1983).
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7. Steinbusch, H.W.M., et al. *Neuroscience*, **3**:811-819 (1978).
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