



Low magnification IHC image of neurons in the pontine region of rat brain.

5-HT (Serotonin) Goat Antibody

Catalog #	20079	Product type:	Primary antibodies
Lot #	1906003	Clonality:	Polyclonal
Form	Lyophilized whole serum (100 µL)	Isotype:	IgG
Host	Goat	Preservative:	≤ 0.09% sodium azide
Reacts With	Cat, Cow, Crayfish, Dolphin, Fish, Frog, Guinea Pig, Hamster, Human, Mexican salamander, Monkey, Moth, Mouse, Pig, Rabbit, Ram, Rat, Salamander, Snail, Tapeworm, Worm, Zebrafish	Antigen:	Serotonin coupled to BSA with paraformaldehyde.

INSTRUCTIONS

Preparation	<p>Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be kept cooled during shipping; however, for long-term storage, store lyophilized antibody until ready to use at -15°C or lower. Reconstitute with 100 µL of distilled or deionized water. After reconstitution, use immediately or refrigerate at 2°-8°C. To avoid freeze/thaw cycles, dilute unused antibody with PBS or Tris buffer at a dilution no higher than 1/10, then aliquot and freeze at -15°C or lower.</p> <p>Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.</p>
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APPLICATION

IHC Quality Control	The ImmunoStar Serotonin antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat hypothalamus and spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Staining is completely eliminated by pretreatment of the diluted antibody with 100 µg of serotonin/BSA conjugate per mL of diluted antiserum.
Tissue	Rat suprachiasmatic/hypothalamus and spinal cord.
Perfusion Fixation	<ul style="list-style-type: none"> Fixative: 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4; 500 mL over 20 min. Post Fixation: 1.5 hr. at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4. Note: If needed, low levels of glutaraldehyde (0.1–0.3%) may be used in conjugation with paraformaldehyde
Sections	10 µm cryostat or 50 µm vibratome.
Tissue Incubation	18–24 hours at 2-8°C
Detection System	Use Cy3 or Bn/Av-HRP reagents at dilutions recommended by the manufacturers.
Suggested Dilution	1/5,000 –1/10,000 in PBS/0.3% Triton X-100 – Bn/Av-HRP immunohistochemistry

NOTES

Special Instructions	It is recommended that the researcher perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that a change in the fixation or buffering system from our protocol may change the configuration of the protein which could alter the reactivity with the tissue tested.
Concentration	Not applicable. Antibody concentration is only relevant for purified antibodies.
Journal Articles	Journal articles available @ www.immunostar.com

For Laboratory Reagent Use Only. Analytical and performance characteristics are not established.

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