



5-HT (Serotonin) Rabbit Antibody

Catalog #:	20080	Product type:	Primary antibodies
Lot #:	541317	Clonality:	Polyclonal
Form:	Lyophilized whole serum (100 µL)	Isotype:	IgG
Host:	Rabbit	Preservative:	≤ 0.09% sodium azide
Species Reactivity:	Reacts with rat, mouse, molluscs, monkey, wild Oregon fly, salamander, Drosophila lamprey, hamster, grasshopper, crab, frog, zebra fish.	Antigen:	Serotonin coupled to bovine serum albumin (BSA) with paraformaldehyde.

Instructions

Preparation:	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. 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.
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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, raphe nuclei and spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Staining is completely eliminated by pretreatment of the diluted antibody with 25 µg of serotonin/BSA. Cross reactivity of Serotonin antisera was examined. With 5µg, 10µg and 25µg amounts the following substances <u>did not react</u> with Serotonin antisera diluted 1/20,000 using the Bn-SA/HRP labeling method: 5-hydroxytryptophan, 5-hydroxyindole -3-acetic acid, and dopamine.
Tissue:	Rat hypothalamus, raphe nuclei and spinal cord.
Absorption control:	5-HT/BSA 25 µg/mL diluted serum
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 hour at 4° C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4. • Note: Paraformaldehyde is a necessary component in fixation of serotonin. If needed, low levels of glutaraldehyde (0.1-0.3%) may be used in conjunction with paraformaldehyde.
Sections:	10 µm cryostat or 50 µm vibratome
Tissue Incubation:	18-24 hours at 2-8° C
Detection System:	Use Cy3 and biotin/avidin-HRP at dilutions recommended by the manufacturers.
Test Date:	10/17/05
Performed by:	JS
Suggested Dilution:	1/1,000-1/2,000 in PBS/0.3% Triton X-100 - Cy3 Technique 1/20,000-1/40,000 in PBS/0.3% Triton X-100 - biotin/avidin-HRP Technique

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 as used in our protocol may change the configuration of the protein, and therefore, may alter the reactivity with the tissue tested. Please read the instruction booklet carefully before beginning the procedure.
Storage:	After reconstitution, use immediately or refrigerate at 2°-8° C up to 2 days. For long-term storage, appropriately aliquot antibody to avoid repeated freeze/thaw cycles and freeze at -15° C or lower.
Concentration:	Not applicable. Antibody concentration is only relevant for purified antibodies.
Journal References:	Journal references available @ www.immunostar.com

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

ALL PRODUCTS ARE FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE