



High magnification image in rat cortex.

5-HT (Serotonin) 2C Receptor Antibody

Catalog #	24505	Product type	Primary antibodies
Lot #	2131001L	Clonality	Polyclonal
Form	Liquid (100 µL)	Isotype	IgG
Host	Rabbit	Preservative	≤ 0.02% sodium azide
Reacts With	Mouse, Rat	Antigen	Synthetic peptide sequence corresponding to amino acids (439–460) of the rat 5-HT _{2C} receptor coupled to keyhole limpet hemocyanin (KLH) and bovine thyroglobulin

INSTRUCTIONS

Preparation	<p>The antiserum is provided as 100 µL of affinity purified serum containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200xg) to collect contents at bottom of tube.</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

Quality Control	The ImmunoStar 5-HT _{2C} receptor antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat choroid plexus and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. Intensification methods such as nickel will approximately double the dilution factor as recommended. Preincubation of the antibody with an excess of the synthetic peptide blocked staining. Immunohistochemical staining of rat brain correlates well with northern analysis, in situ hybridization and receptor autoradiography. The antibody was characterized by immunohistochemistry and western blot. Western blotting revealed a single band of approximately 70 kD. Due to the difficulty with receptor antibodies, western blot applications are not warranted and are included as specificity information only.
Tissue	Rat cortex, hippocampus, hypothalamic nuclei
Perfusion Fixation	<ul style="list-style-type: none"> Fixative: 4% paraformaldehyde in 0.1M 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: If needed, low levels of glutaraldehyde (0.1–0.3%) may be used in conjunction with paraformaldehyde.
Sections	50 µm vibratome
Tissue Incubation	18–24 hours at 2°–8°C
Detection System	Use Bn/AV-HRP at dilutions recommended by the manufacturer.
Suggested Dilution	1/300–1/600 in PBS - Bn/Av-HRP technique Note: Use of Triton X-100 or other detergents is not recommended.

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.
Storage	Store at 2°–8°C until expiration date.
Concentration	300 µg/ml
Journal References	www.immunostar.com/publications

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 RRID:AB_572212