



High magnification image in rat cortex.

## 5-HT (Serotonin) 2C Receptor Antibody

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

### INSTRUCTIONS

<b>Preparation</b>	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.  Refer to the Instruction Manual available online at <a href="http://www.immunostar.com">www.immunostar.com</a> for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.
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### APPLICATION

<b>Quality Control</b>	The ImmunoStar 5-HT <sub>2C</sub> 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.
<b>Tissue</b>	Rat cortex, hippocampus, hypothalamic nuclei
<b>Perfusion Fixation</b>	<ul style="list-style-type: none"> <li>Fixative: 4% paraformaldehyde in 0.1M Phosphate buffer, pH 7.4; 500 mL over 20 min.</li> <li>Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4.</li> <li>Note: If needed, low levels of glutaraldehyde (0.1–0.3%) may be used in conjunction with paraformaldehyde.</li> </ul>
<b>Sections</b>	50 µm vibratome
<b>Tissue Incubation</b>	18–24 hours at 2°–8°C
<b>Detection System</b>	Use Bn/AV-HRP at dilutions recommended by the manufacturer.
<b>Suggested Dilution</b>	1/300–1/600 in PBS - Bn/Av-HRP technique Note: Use of Triton X-100 or other detergents is not recommended.

### NOTES

<b>Special Instructions</b>	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.
<b>Storage</b>	Store at 2°– 8°C until expiration date.
<b>Concentration</b>	300 µg/ml
<b>Journal References</b>	<a href="http://www.immunostar.com/publications">www.immunostar.com/publications</a>

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

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