



Low magnification IHC image of neurons in rat cortex.

5-HT (Serotonin) 2A Receptor Antibody

Catalog #	24288	Product type	Primary antibodies
Lot #	1211001L	Clonality	Polyclonal
Form	Liquid (100 µL)	Isotype	IgG
Host	Rabbit	Preservative	≤ 0.02% sodium azide
Reacts With	Human, Marine, Mouse, Rabbit, Rat	Antigen	Multiple antigenic peptide (MAP) of an N-terminal synthetic sequence corresponding to amino acids (22–41) of rat 5HT2A receptor.

INSTRUCTIONS

Preparation	The antiserum is provided as 100 µL of affinity purified serum in PBS (0.02M sodium phosphate with 0.15 M sodium chloride, pH 7.5) with 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 www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.
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APPLICATION

Quality Control	The ImmunoStar 5HT 2A receptor antibody was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat cortex, amygdala and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. The addition of intensifying reagents such as nickel ammonium sulfate to the chromogen solution will approximately double the dilution factor as recommended. Immunolabeling is completely abolished by preadsorption with synthetic rat 5HT2A receptor (22–41). Immunolabeling of western blot revealed a single band of approximately 53kD.
Tissue	Rat cortex, amygdala and hippocampus.
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 0.1M phosphate buffer, pH 7.4.
Sections	50 µm vibratome
Tissue Incubation	48 hours at 2°–8° C
Detection System	Use Bn/Av-HRP at dilutions recommended by the manufacturer.
Suggested Dilution	1/300–1/500 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.
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.

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