



IHC image of neurons in rat cortex.

5-HT (Serotonin) 1A Receptor Antibody

INSTRUCTIONS Preparation The antiserum is provided as 100 µL of affinity purified serum containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200 xg) 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. APPLICATION Quality Control The ImmunoStar 5-HT1A receptor antiserum was quality control tested using standard immunohistochemica methods. The antiserum demonstrates significant labeling of rat cortex, arcuate and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. Intensification methods such as nickel will approximately double the dilution factor as recommended. The antibody was characterized by immunohistochemical staining of rat brain correlates well 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. Tissue Rat cortex, arcuate and hippocampus Perfusion Fixation Fixative: 4% paraformaldehyde/0.05% glutaraldehyde/0.05% glutaraldehyde in 0.1M Phosphate buffer, pH 7.4; 500 mL over 20 min. Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde/0.05% glutaraldehyde in 0.1 M phosphate buffer, pH 7.4; 500 mL over 20 min. Post Fixation: 48 hours at 2°-8° C. Detection System Use Bn/AV-HRP at dilutions recommended by the manufacturer. For immunofluorescene stain wash in 1% sodium borohydride after the wash ste					
Form Liquid (100 µL) Isotype IgG Reacts With Mouse, Rat Antigen Synthetic peptide sequence corresponding to amino acids (294–312) of the rat 5-HT1A receptor coupled 1 bowne thyroglobulin with gutaraldehyde. INSTRUCTIONS The antiserum is provided as 100 µL of affinity purified serum containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200 xg) to collect contents at bottom of tube. Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaring techniques, troubleshooting, and formulas. APPLICATION Quality Control The ImmunoStar 5-HT1A receptor antiserum was quality control tested using standard immunohistochemic: methods. The antiserum demonstrates significant labeling of rat cortex, arcuate and hippocampus using indirect immunofluorescent and bioInvlavidin-HTP techniques. Intensification methods such as nickel will approximately 45 kD. Due to the difficulty with receptor antibodies, westem blot applications are not waranted and are included as specificity information only. Tericrubation 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. Perfusion Fixation • Fixative: 4% paraformaldehyde/0.05% glutaraldehyde in 0.1M Phosphate buffer, pH 7.4; 500 ml. over 20 min Poet Fixation: 1.5 hour at 4°C in 4% paraformaldehyde/0.05% glutaraldehyde in 0.1 M phosphate buffer, pH 7.4; 500 ml. over 20 min Poet Fixat	Catalog #	24504	Product type	Primary antibodies	
Host Rabbit Preservative ≤ 0.02% sodium azide Reacts With Mouse, Rat Antigen Synthetic peptide sequence corresponding to amino acids (234–312) of the rat 5-HT1A receptor coupled the bovine thyroglobulin with glutaraldehyde. INSTRUCTIONS The antiserum is provided as 100 µL of affinity purified serum containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200 xg) to collect contents at bottom of tube. Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostar 5-HT1A receptor antiserum was quality control tested using standard immunohistochemic. methods. The antiserum demonstrates significant tabeling of rat cortex, arcuate and hippocampus using indirect immunofluorescent and bioinavidin-HPP techniques, Intensification methods such as nickel will approximately double the dilution factor as recommended. The antibody was characterized by immunohistochemics, western blot, western blot showed a single band of approximately 45 kD. Due to the difficulty with receptor antioacient. HPP techniques, intensification methods such as nickel will approximately double the dilution factor as recommended. The antibody was characterized by immunohistochemical staining of rat brain correlates well with Northerm analysis, in situ hybridization and receptor autoradiography. Tissue Rat cortex, arcuate and hippocampus Porfusion Fixation • Fixative: 4% paraformaldehyde/0.05% glutaraldehyde in 0.1 M phosphate buffer, pH 7.4; 50 m. over 20 min. Sections So Im vibratome. Cryosections are not recommended as it may disrupt the membrane. This an	Lot #	1825001L	Clonality	Polyclonal	
Reacts With Mouse, Rat Antigen Synthetic peptide sequence corresponding to amino acids (294-312) of the rat 5-HT 1A receptor coupled t bovine thyroglobulin with gutaraldehyde. INSTRUCTIONS The antiserum is provided as 100 µL of affinity purified serum containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200 xg) to collect contents at bottom of tube. Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaring techniques, troubleshooting, and formulas. APPLICATION The ImmunoStar 5-HT1A receptor antiserum was quality control tested using standard immunohistochemics methods. The antiserum demonstrates significant labeling of rat cortex, arcuate and hippocampus using indirect Immunofilucrescent and biolin/avidin-HRP techniques. Intensification methods such as nickel will approximately double the dilution factor as recommended. The antibody was characterized by immunohistochemical staining of rat brain correlates well with Northern analysis, in situ hybridization and receptor autoradiography. Tissue Rat cortex, arcuate and hippocampus Perfusion Fixation • Fixative: 4% paraformaldehyde/0.05% glutaraldehyde/0.05% glutaraldehyde in 0.1M Phosphate buffer, pH 7.4; 00 mL over 20 min. Section 50 m voirz dom. Perfusion Fixation 48 hours at 2°-8° C. Detection System Use Bn/AV-HRP at dilutions recommended by the manufacturer. For immunofluorescence stain wash in 1% sodium borohydride after the wash step following fixation in order to quench aldehyde site	Form	Liquid (100 µL)	lsotype	IgG	
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Preparation The antiserum is provided as 100 µL of affinity purified serum containing 1% BSA. Reconstitution is not required. Recommend briefly spinning tube (30 sec. 200 xg) to collect contents at bottom of tube. Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaring techniques, troubleshooting, and formulas. APPLICATION The ImmunoStar 5-HT1A receptor antiserum was quality control tested using standard immunohistochemic: methods. The antiserum demonstrates significant labeling of rat cortex, arcuate and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. Intensification methods such as nickel will approximately double the dilliculto factor as recommended. The antibody was characterized by immunohistochemistry and western blot. Western blot showed a single band of approximately double the dilliculty with receptor antibodies, western blot applications are not warranted and are included as specificity information only. 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. Pstusion Fixation • Fixative: 4% paraformaldehyde/0.05% glutaraldehyde/0.05% glutaraldehyde in 0.1 M phosphate buffer, pH 7.4; S00 ml. over 20 min. • Post Fixation: • Divertore. Cryosections are not recommended as it may disrupt the membrane. This antibody does not work with paraffin embedded tissues. Tissue Incubation 48 hours at 2°–8° C. Detection System Use Bri/Av-HRP at dilutions recommended by the manufacturer. For immunofluorescence stain wash in	Reacts With	Mouse, Rat	Antigen	acids (294–312) of the rat 5-HT1A receptor coupled to	
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	Special Instructions	recommendations as a guideline. Note that a change in the fixation or buffering system from our protocol			
Concentration 300 µg/ml	Storage	Store at 2°-8°C until expiration dat	e.		
	Concentration	300 μg/ml			
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For Laboratory Reagent Use Only. Analytical and performance characteristics are not established.

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