



5-HT (Serotonin) 7 Receptor Antibody

Catalog #:	24430	Product type:	Primary antibodies
Lot #:	534097L	Clonality:	Polyclonal
Form:	Liquid (100 µL)	Isotype:	IgG
Host:	Rabbit	Preservative:	≤ 0.09% sodium azide
Species Reactivity:	Reacts with rat, pig, human, rabbit.	Immunogen:	Synthetic peptide sequence corresponding to amino acids (8-23) of the rat 5-HT7 receptor coupled to the carrier protein with glutaraldehyde.

Instructions

Preparation:	The antiserum is provided as 100 µL of affinity purified serum containing 1% bovine serum albumin (BSA). Reconstitution is not required.
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Application:

IHC Quality Control:	The ImmunoStar 5-HT7 receptor antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat cortex and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. The antibody was characterized by immunohistochemistry. Immunohistochemical staining of rat brain correlates well with Northern blot analysis, in situ hybridization and receptor autoradiography studies. Immunolabeling is completely abolished by preadsorption with synthetic rat 5-HT7 receptor (8-23). BlastP database sequence homology searches indicate that the amino acid sequence is unique to rat 5-HT7A, 5-HT7B and 5-HT7C. There is also significant sequence overlap with the mouse and human forms.
Tissue:	Rat cortex 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. • 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 hr at 2-8° C
Detection System:	Use biotin/avidin-HRP reagents at dilutions recommended by the manufacturer.
Test Date:	9/27/05
Performed by:	JS
Suggested Dilution:	1/100 - 1/300 in PBS - biotin/avidin-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 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:	Unopened vial store at 2-8 °C until expiration date.
Concentration:	Not applicable. Antibody concentration is only relevant for purified antibodies.
Journal References:	Journal references available @ www.immunostar.com

RELATED PRODUCTS

Rabbit anti-5-HT (Serotonin), #20080	Goat anti-5-HT (Serotonin), #20079	5-HT/BSA Conjugate Control, #20081
Rabbit anti-5-HT2A Receptor, #24288	5-HT2A Receptor Peptide Control, #24333	Rabbit anti-5-HT5A Receptor, #24429
Rabbit anti-5-HT Transporter, #24330	5-HT Transporter Peptide Control, #24332	Rabbit anti-5-HIAA, #24274
Rabbit anti-5-HTP (5-Hydroxytryptophan), #24446		

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.