



5HT 2A Receptor

Data Sheet

Catalog Number: RA24288	Host: Rabbit
Product Type: Affinity Purified	Species: Rat
Immunogen Sequence: N-term 22-41	Reactivity:
	Format: 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% Bovine Serum Albumin (BSA). Reconstitution is not required.

Applications: **Immunohistochemistry:**
Recommended Dilution 1/300 - 1/500 in PBS/0.03% Triton X-100 – Bn/Av-HRP Technique
Western Blot:
Recommended Dilution: 1/100 or greater

Storage and Preparation: Storage: Unopened vial at 2-8° C. Antibody can be stored for up to six months

It is strongly recommended that the customer 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.

Application Notes for Immunohistochemistry

Antigen: The affinity purified histochemical antibody for 5HT2A receptor was generated in rabbit against a multiple antigenic peptide of an N-terminal synthetic sequence corresponding to amino acids 22-41 of rat 5HT2A receptor. Raised in rabbit.

Control Tissue: The antiserum demonstrates strongly positive labeling of rat cortex, amygdala and hippocampus.
Perfusion Fixation: Fixative - 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4; 500 mL over approximately 20 minutes.

Post Fixation: 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4; 500 mL over approximately 20 minutes.
Post Fixation - 1.5 hour at 4° C. in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.

Note: Paraformaldehyde is a necessary component in fixation of serotonin. If needed, low levels of glutaraldehyde (0.1-0.3%) may be used in conjunction with paraformaldehyde.

Sections: 50 µm vibratome

Antibody dilution: 1/300-1/5 in PBS/0.03% Triton X-100 - Bn-SA/HRP Technique

Absorption control: Synthetic rat 5HT 2A receptor (22 – 41).

Incubation on Tissue: 16-24 hours at 4° C.

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Neuromics' reagents are for in vitro and certain non-human in vivo experimental use only and not intended for use in any human clinical investigation, diagnosis, prognosis, or treatment. We disclaim all liability in connection with the use of the information contained herein or otherwise, and all such risks are assumed by the user.

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Detection System:
Use Bn-SA/HRP at dilutions recommended by the manufacturers.

Reagents Containing Sodium Azide

CAUTION: This reagent contains sodium azide. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides. On disposal, flush with a large volume of water to prevent azide build-up. For further information, refer to "Decontamination of Laboratory Sink Drains to Remove Azide Salts," in the Manual Guide-Safety Management No. CDC-22 issued by the Centers for Disease Control and Prevention, Atlanta, GA, 1976.

European Communities Hazardous Substance Risk Phrases (Council Directive 88/379/EEC)

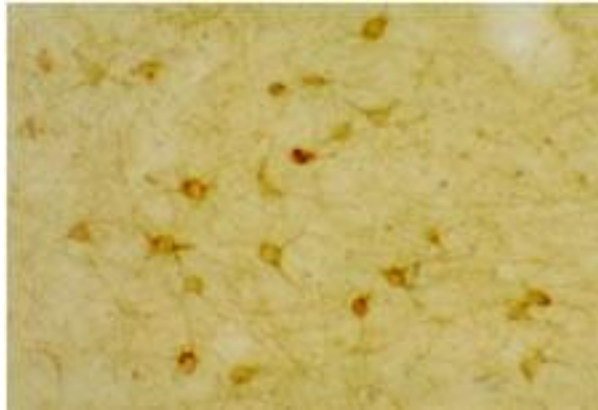
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R32 - Contact with acids liberates very toxic gas.

S28 - After contact with skin, wash immediately with plenty of water.

This product contains dry natural rubber.

Image: 5HT2AR staining of rat cerebral cortex



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