



High Titer Anti - 5HT (Rabbit)

Data Sheet

Catalog Number:	RA20080	Host:	Rabbit
Product Type:	Whole Serum	Species	Mouse, Rat
Immunogen Sequence:	Whole molecule 5HT	Reactivity:	
		Format:	100ul Lyophilized
Applications:	Immunohistochemistry: Recommended Dilution: 1/10,000-1/15,000 in PBS/0.3% Triton X-100 - biotin/avidin-HRP immunohistochemistry		

Storage and Preparation: Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be kept cooled during shipping; however, for long-term storage, store lyophilized antibody until ready to use at -15°C or lower. Reconstitute with 100 µL of distilled or deionized water. After reconstitution, use immediately or refrigerate at 2°-8°C. To avoid freeze/thaw cycles, dilute unused antibody with PBS or Tris buffer at a dilution no higher than 1/10, then aliquot and freeze at -15°C or lower.

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: serotonin coupled to BSA with paraformaldehyde. Raised in rabbit

Control Tissue: Rat hypothalamus, raphe nuclei and spinal cord.

Absorption Control: 5-HT/BSA 25 µg/mL diluted serum

Perfusion Fixation: Fixative - 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: 10 µm cryostat or 50 µm vibratome

Tissue Incubation: 18-24 hours 2°-8°C

Antibody dilution: 1/10,000-1/15,000 in PBS/0.3% Triton X-100 - biotin/avidin-HRP immunohistochemistry

Detection System

Use Cy3 and Bn-SA/HRP at dilutions recommended by the manufacturers.