



## High Titer Anti - 5HT Transporter Data Sheet

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<b>Catalog Number:</b>	RA24330	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Whole Serum	<b>Species:</b>	Rat, Mouse
<b>Immunogen Sequence:</b>	Rat 5HT Transporter (579 -599)	<b>Reactivity:</b>	
		<b>Format:</b>	100ul Lyophilized
<b>Applications:</b>	<b>Immunohistochemistry:</b> Recommended Dilution: 1/800 - 1/1,000 in PBS/0.3% Triton X-100 - Cy3 technique; 1/10,000 - 1/15,000 in PBS/0.3% Triton X-100 – Biotin/avidin-HRP <b>Western Blot:</b> Recommended Dilution: 1/1000 or greater Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	Storage: Dilute with phosphate buffer or Tris buffer at dilutions no higher than 1/10, aliquot and freeze at -15° C or lower. Antibody can be stored for up to six months if handled as described above.  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.		

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### Application Notes

**Antigen:** The histochemical antibody for serotonin (5HT) transporter is generated in a rabbit against a synthetic peptide sequence corresponding to amino acids 579-599 of rat 5HT transporter coupled to KLH. Raised in rabbit.

**Control Tissue:** The antiserum demonstrates strongly positive labeling of rat raphe nuclei, hypothalamus, cortex and spinal cord.

**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/0.3% Triton X-100 - Bn-SA/HRP Technique

**Absorption control:** Synthetic rat 5HT Transporter (579 – 599)

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

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