



Somatostatin

Data Sheet

Catalog Number:	RA20067	Host:	Rabbit
Product Type:	Whole Serum	Species Reactivity:	Rat, Mouse, Human, Xenopus, Zebrafish
Immunogen Sequence:	Synthetic oxytocin coupled to bovine thyroglobulin (BTg) with carbodiimide (CDI) linker.	Format:	Lyophilized. 100 ul with <0.09% sodium azide as a preservative.
Applications:	Immunohistochemistry: 1:1,000-1:2,000 (in PBS/0.3% Triton X-100 using Cy3 technique) 1:4,000-1:8,000 (in PBS/0.3% Triton X-100 using Bn/Av-HRP technique)		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Reconstitution:	Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be cooled during shipping. 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.		
Storage:	Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. <i>Avoid repeated freeze-thaw cycles.</i>		

Application Notes

Tissue Preparation:

10 µm cryostat

- Fixative: 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4; 500 mL over ~20-30 min.
- Post Fixation: 1.5 hr. at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.
- Incubation: 18-24 hours at 2-8° C.

Immunofluorescence:

Oxytocin antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat hypothalamus using indirect immunofluorescent and biotin/avidin-HRP techniques. Staining is completely eliminated by pretreatment of 1 mL of the diluted antibody with 5 µg of Oxytocin. Pretreatment of 1 mL of the diluted antibody with as much as 100 µg of vasopressin does not diminish staining.

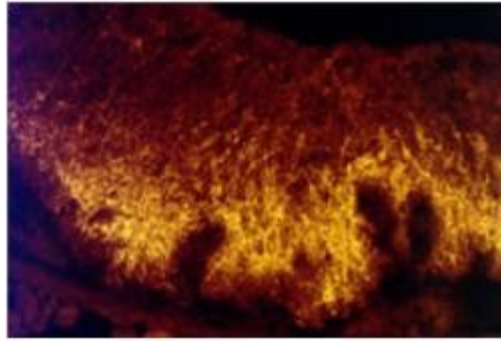
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www.neuromics.com

Neuromics Antibodies • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com

Image: Somatostatin staining of rat hypothalamus (median eminence).



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