

NEUROMICS



CRF(Corticotropin Releasing Factor) Data Sheet

Catalog Number:	RA20084	Host:	Rabbit
Product Type:	Whole Serum	Species	Rat
Immunogen Sequence:	Synthetic Ovine CRF	Reactivity:	
		Format:	Lyophilized. 100 ul with <0.09% sodium azide as a preservative.
Applications:	Immunohistochemistry:	1:200-1:400 (indirect immunofluorescence) 1:4,000-1:8,000 (in PBS/0.3% Triton X-100 using Bn/Av-HRP technique)	
		Optimal dilution will vary depending upon fixation, labeling technique and/or detection system; therefore, a dilution series is recommended. Staining is completely eliminated by pretreatment of the diluted antibody with 5 µg of LHRH per mL of diluted antiserum.	
Reconstitution:	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. 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. If desired, dilute with PBS or Tris buffer at a dilution no higher than 1/10		
Storage:	After reconstitution, use immediately or refrigerate at 2°-8° C up to 2 days. For long-term storage, appropriately aliquot antibody to avoid repeated freeze/thaw cycles and freeze at -15° C or lower		

Application Notes

Tissue Preparation:

10 µm cryostat or 50 µm vibratome.

- Fixation: 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 conjugation with paraformaldehyde

Immunohistochemistry

Detection of CRF cell bodies: Requires animal pretreatment such as colchicine or adrenalectomy

Antibody tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat median eminence using indirect immunofluorescent and biotin/avidin-HRP techniques. Immunolabeling is completely abolished by preadsorption with synthetic CRF at 100 µg per mL of diluted antibody.

FOR RESEARCH USE ONLY

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. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. 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. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.-V1-08/2011

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:CRF staining of rat hypothalamus (median eminence).



FOR RESEARCH USE ONLY

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. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RSKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.-V1-08/2011

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