

NEUROMICS



GHRF (Growth Hormone Releasing Factor) Datasheet

Catalog Number:	RA22938	Host:	Rabbit
Product Type:	Polyclonal whole serum	Species Reactivity:	Rat
Immunogen Sequence:	Synthetic rat hypothalamic GHRF(1-43)	Format:	Lyophilized (with $\leq 0.09\%$ sodium azide as a preservative)
Applications:	Immunohistochemistry 1:200-1:4000 Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Do not reconstitute until ready to use. For long term storage of lyophilized antibody freeze at -15°C or lower. Reconstitute with 100 μl of distilled or deionized water. After reconstitution, use immediately or refrigerate at $2^{\circ}\text{--}8^{\circ}\text{C}$ up to 2 days. For long term storage, aliquot and freeze at -15°C or lower. Stable for at least 6 months at -20°C . Repeated freeze/thaw cycles compromise the integrity of the antiserum.		

Application Notes

Immunohistochemistry:

Tissue: Rat hypothalamus (median eminence)

Perfusion Fixation:

- Fixative: 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.

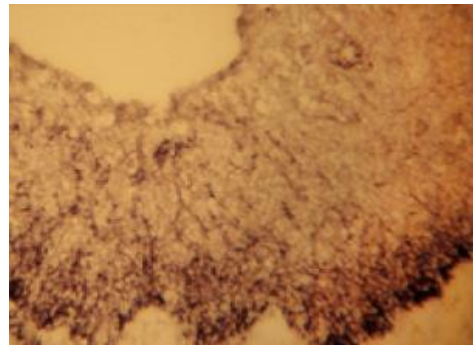
Sections: 10 μm cryostat or 50 μm vibratome

Tissue Incubation: 18–24 hours at $2^{\circ}\text{--}8^{\circ}\text{C}$

Detection system: Use FITC or Bn-SA/HRP at dilutions recommended by the manufacturers

Suggestion Dilution: 1/200–1/400 in PBS/0.3% Triton X-100 – indirect immunofluorescence
1/1,000–1/5,000 in PBS/0.3% Triton X-100 – Bn-SA/HRP immunohistochemistry

Image: IHC image of neurons staining for DBH in the rat brainstem. The tissue was fixed with 4% formaldehyde/0.05% glutaraldehyde in 0.1 M phosphate buffer, before being removed and prepared for vibratome sectioning. Floating sections were incubated at RT in 10% goat serum in PBS, before standard IHC procedure. Primary antibody was incubated at 1:4000 for 48 hours, goat anti-rabbit secondary was subsequently added for 1 hour after washing with PBS. Light microscopy staining was achieved with standard biotin-streptavidin/HRP procedure and DAB chromogen..



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