NEUROMICS

LHRH (Luteinizing Hormone Releasing Hormone) Data Sheet

Catalog Number:	RA20075	**Host:**	Rabbit
Product Type:	Whole Serum	**Species Reactivity:**	Rat, Mouse, Fish
Immunogen Sequence:	Synthetic LHRH coupled to keyhole limpet hemocyanin (KHL) with carbodiimide (CDI) linker	**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 -15º 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 2º-8º 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

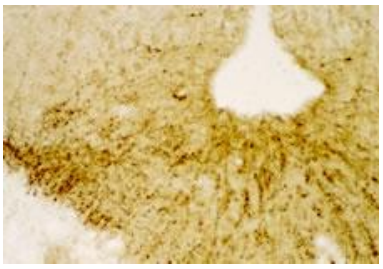
Application Notes

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

Immunofluorescence:
The antibody produces significant labeling of LHRH at dilutions of 1/200-1/400 using indirect immunofluorescence and at dilutions of 1/2,000 - 1,4,000 using biotin-avidin/HRP in rat hypothalamus (median eminence). 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

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



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