



## LHRH (Luteinizing Hormone Releasing Hormone) Data Sheet

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<b>Catalog Number:</b>	RA20075	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Whole Serum	<b>Species Reactivity:</b>	Rat, Mouse, Fish
<b>Immunogen Sequence:</b>	Synthetic LHRH coupled to keyhole limpet hemocyanin (KHL) with carbodiimide (CDI) linker	<b>Format:</b>	Lyophilized. 100 ul with <0.09% sodium azide as a preservative.
<b>Applications:</b>	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.		
<b>Reconstitution:</b>	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		
<b>Storage:</b>	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		

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### Application Notes

#### Tissue Preparation:

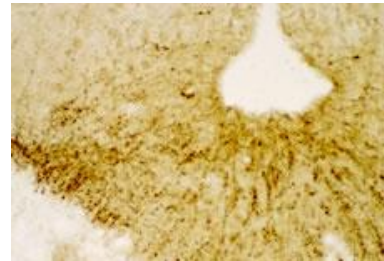
10 µm cryostat or 50 µm vibratome.

- 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).*



### FOR RESEARCH USE ONLY

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