



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4425

### Rabbit anti Luteinizing Hormone-Releasing Hormone (LHRH)

Luteinizing hormone-releasing hormone (LHRH), also known as Gonadotropin-Releasing Hormone (GnRH) or Luteinizing Hormone-Releasing Factor (LRF), is a hypothalamic neuropeptide which acts on the pituitary to stimulate the release of luteinizing hormone (LH) and follicle-stimulating hormone (FSH). LHRH may act as a growth modulatory factor in tumors of the reproductive system. The effects of LHRH are mediated by high-affinity G protein-coupled LHRH-receptor (LHRH-R) on pituitary gonadotropes. HRH and LHRH receptors (LHRH-Rs) are expressed in human melanoma cells and LHRH-Rs are found in more than 50% of human breast cancers.

This antibody was generated by immunization of rabbits with Luteinizing Hormone-Releasing Hormone coupled to a carrier protein.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A03647
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Luteinizing Hormone-Releasing Hormone. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide Pyr-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH <sub>2</sub> coupled to carrier protein.

### Cross-Reactivity:

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PEPTIDE:	%:
LHRH	100
LHRH (lamprey)	0.1
[Des-Gly <sup>10</sup> , D-Trp <sup>6</sup> , Pro-NHEt <sup>9</sup> ]-LHRH	0.1
LHRH (salmon)	0.002
[Des-Gly <sup>10</sup> , D-Ala <sup>6</sup> , Pro-NHEt <sup>9</sup> ]-LHRH	0.001
GnRH Precursor Peptide (14-69) (human)	0
GRF (human)	0
ACTH (1-39) (human)	0
Octreotide	0
Goserelin	0
LHRH (chicken)	0
LHRH (sea bream)	0

Related Products: T-4424: anti LHRH (hu), diluted antiserum  
T-4426: anti LHRH (hu), neat antiserum  
S-1351: ELISA, extraction-free for rat serum and plasma samples  
S-1217: ELISA, high sensitivity for extracted samples

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

1.3.2021