
LHRH Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250515

Unit: 0.1 mg

Description:

Luteinizing hormone-releasing hormone (LHRH, GnRH, Gonadoliberein, Luliberin) is a decapeptide neurohormone produced mainly in the preoptic area of the hypothalamus, secreted at the median eminence into the portal blood, and carried to the gonadotropin-releasing hormone receptor (GnRHR). GnRHR is found on gonadotrope cells of the pituitary gland, and other organs. In the pituitary, stimulation of the G-protein coupled GnRHR results in secretion of gonadotropins LH and FSH, which are involved in such reproductive functions as follicular growth, ovulation, and corpus luteum maintenance in the female, and spermatogenesis in the male. LHRH release is regulated by various transmitters/hormones including norepinephrine, GABA, glutamate, dopamine, Kisspeptin, estrogen. Disorders in LHRH activity include Polycystic ovary syndrome (high) and Kallmann syndrome (low). Clinical use (Factrel, Lutrepulse, Lutrelef, Relisorm) requires infusion pumps because of its short half-life.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R, B

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: LHRH; LHRH/GnRH; Progonadoliberein-1; Progonadoliberein I; Gonadoliberein-1; Gonadoliberein I; Luteinizing hormone-releasing hormone I; Gonadotropin-releasing hormone I; GnRH-1; Luliberin I; Gonadorelin; GNRH

Accession No.: P01148

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LHRH.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.