



Polyclonal Antibody to Lutenizing Hormones (LH)

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to LH

Specific Reagents Supplied

- 7 ml of polyclonal anti LH, Ready-To-Use
- 0.2 ml of polyclonal anti LH, Concentrate

PRODUCT# IMI26261E (Ready-To-Use)

PRODUCT# IMI26252E (Concentrate)

HOST SPECIES/SOURCE: Rabbit

IMMUNOGEN: Purified Lutenizing hormone

REACTIVITY

This antibody reacts with Lutenizing hormone (LH), a trophic hormone, consists of approximately 30 kD molecular weight secreted by the anterior pituitary gland cells. Trophic hormones such as LH are generically grouped as gonadotrophic hormone which consists of two other hormones, mainly, follicle stimulating hormone (FSH) and prolactin. These hormones are involved in functional activity of either ovary or the testes. Gonadotrophic LH release is usually inhibited by large dose of estrogen and progesterone which results in the failure of ovulation. LH another gonadotrophic hormones are not species specific. LH is produced by approximately 20% of the cells of pituitary gland cells specific for production of LH. This antibody is non-cross reactive with other pituitary hormones. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Anterior pituitary gland

STAINING PATTERN: Cytoplasmic staining

PRODUCT FORMATS, DILUTION and INCUBATION

This **Affinity purified** polyclonal anti LH antibody is provided in phosphate buffered saline pH 7.2 with bovine serum albumin and 0.05% sodium azide. This antibody is available in:

- 7 ml pre-tittered, Ready- to- Use, Incubate for 10-30 minutes.**
- 0.2 ml Concentrate; for 10-30 min. incubation, dilute 1:50; for 1-hour incubation, dilute 1:80-1:100.** For longer incubation time the titer should be determined by the end user

The above dilutions and incubation times were derived by the use of INNOVEX STAT-Q and HISTO-STAT 2-step) detection systems and INNOVEX signal enhancing wash buffers. For less sensitive staining system systems the above dilution factors may vary and they should be determined by the end user for specific staining system employed.

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SPECIAL USAGE GUIDANCE

No-pre treatment is necessary, for best staining result **the use of Innovex STAT-Q staining system and Innovex Signal-Enhancing Wash Buffers** (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is **highly recommended**. The use of Innovex STAT-Q staining system and Innovex Signal Enhancing Wash Buffer **amplify staining signal, eliminate the need for enzyme digestion pre treatment, heat application (retrieval procedure) and shortens the incubation time for the primary antibodies without addition of any extra steps to immunostaining procedures.**

APPLICATIONS

This antibody is intended for use in staining or labeling LH antigens in routinely fixed tissues and cell preparations. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

APPROPRIATE NEGATIVE CONTROL SERA for staining negative control slide

Employ purified immunoglobulin free, normal rabbit sera at 1-10 ug/ ml. Normal rabbit sera should be employed in place of primary antibody on negative control slides and the same incubation time as the primary antibody should be observed for normal rabbit sera when staining negative control slides.

SPECIES REACTIVITY

LH is not species specific; species reactivity may be determined by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY