

Rabbit Anti-LH [Polyclonal]: RC3113, RC3113RTU7

Intended Use: For Research Use Only

Description: Luteinizing hormone (LH) is a hormone synthesized and secreted by gonadotropes in the anterior lobe of the pituitary gland. In concert with the other pituitary gonadotropin follicle-stimulating hormone (FSH), it is necessary for proper reproductive function. In the female, an acute rise of LH levels triggers ovulation. In the male, where LH has also been called Interstitial Cell-Stimulating Hormone (ICSH), it stimulates Leydig cell production of testosterone. LH is a useful marker in classification of Pituitary Tumors and the study of pituitary disease. This antibody reacts with LH-producing cells (gonadotrophs).

Specifications:

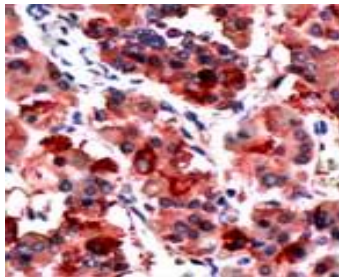
Clone: Polyclonal
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2 - 8°C
Applications: IHC
Package:

Description	Catalog No.	Size
Luteinizing hormone (LH) Polyclonal concentrated	RC3113	1 ml
Luteinizing hormone (LH) prediluted	RC3113RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Normal pituitary
Concentrated Dilution: 100-500
Pretreatment: Citrate pH 6.0 or EDTA pH 8.0 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human anterior pituitary tissue stained with anti-LH using AEC

References:

1. Changes in luteinizing hormone-containing gonadotrophs after moulting induced by fasting and zinc in laying hens (*Gallus domesticus*). Sandhu MA, et al. *J Anim Physiol Anim Nutr (Berl)*. Dec;92(6):668-76, 2008.
2. Insulin-like growth factor-I mRNA and peptide in the human anterior pituitary. Jevdjovic T et al. *J Neuroendocrinol* 19:335-41, 2007.
3. Ovarian epithelial tumor growth promotion by follicle-stimulating hormone and inhibition of the effect by luteinizing hormone. Zheng W, et al. *Gynecol Oncol*. Jan;76(1):80-8, 2000.
4. Immunohistochemical evidence that follicle-stimulating hormone and luteinizing hormone reside in separate cells in the chicken pituitary. Proudman JA, et al. *Biol Reprod*. Jun;60(6):1324-8, 1999.

Doc. 100-RC3113
Rev. C