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Datasheet for ABIN4949777  
**anti-LH alpha antibody**

1 Image

### Overview

Quantity:	100 µg
Target:	LH alpha
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LH alpha antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Recombinant full-length human LH $\alpha$ protein was used as the immunogen for the Luteinizing Hormone alpha antibody.
Clone:	LHa-756
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

### Target Details

Target:	LH alpha
Alternative Name:	Luteinizing Hormone alpha / hCG alpha ( <a href="#">LH alpha Products</a> )
Background:	This mAb reacts with a protein of ~13 kDa, identified as alpha subunit of Luteinizing Hormone (LH) or Chorionic Gonadotrophin (CG). The protein dimer contains 2 polypeptide units, labeled alpha and beta subunits that are connected by two bridges. The alpha subunits of LH, FSH,

## Target Details

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TSH, and hCG are identical, and contain 92 amino acids. The beta subunits vary. LH has a beta subunit of 121 amino acids (LHB) that confers its specific biologic action and is responsible for interaction with the LH receptor. This beta subunit contains the same amino acids in sequence as the beta subunit of hCG and both stimulate the same receptor, however, the hCG beta subunit contains an additional 24 amino acids and the hormones differ in the composition of their sugar moieties. LH is synthesized and secreted by gonadotrophs 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.

## Application Details

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Application Notes: Optimal dilution of the Luteinizing Hormone alpha antibody should be determined by the researcher.\. Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min RT

Restrictions: For Research Use only

## Handling

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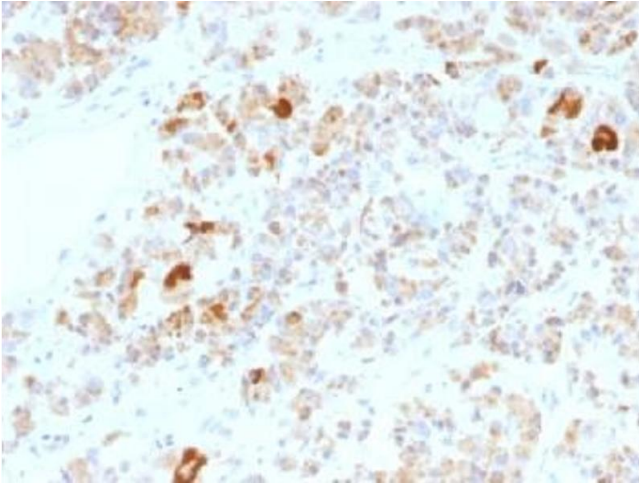
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C,-20 °C

Storage Comment: Store the Luteinizing Hormone alpha antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



### Immunohistochemistry

**Image 1.** IHC testing of FFPE human pituitary gland stained with Luteinizing Hormone alpha antibody (clone LHa/756). No HIER required.