

Rabbit Anti-LHB antibody

SL0951R

Product Name LHB

Chinese Name 促黄体素 β 亚单位抗体

Alias LSHB_HUMAN; Lutropin subunit beta; Lutropin beta chain; Luteinizing hormone subunit beta (LH-B; LSH-B; LH B; LSH-beta); CGB4; HH23;

Research Area Growth factors and hormones Endocrinopathy

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human,)
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Applications (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 13kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from middle of human LH beta: 51-120/141

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Luteinizing Hormone is a member of the glycoprotein hormone family. Glycoprotein

Detail

hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. LH is expressed in the pituitary gland and promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. Mutations in the Luteinizing Hormone (LHB) gene are associated with hypogonadism which is characterized by infertility and pseudohermaphroditism.

Function:

Promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids.

Subunit:

Heterodimer of a common alpha chain and a unique beta chain which confers biological specificity to thyrotropin, lutropin, follitropin and gonadotropin.

Subcellular Location:

Secreted.

Tissue Specificity:

Pituitary gland.

DISEASE:

Hypogonadism LHB-related (HGON-LHB) [MIM:152780]: Characterized by infertility and pseudohermaphroditism. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the glycoprotein hormones subunit beta family.

SWISS:

P01229

Gene ID:

3972

Database links:

[Entrez Gene: 3972](#) Human

[Omim: 152780](#) Human

[SwissProt: P01229](#) Human

[Unigene: 154704](#) Human



LH 和 FSH 都是垂体前叶产生的，由两条多肽链(即 α 和 β 亚单位)经非共价键结合的 glycoprotein。LH 和 FSH 都是呈脉冲式分泌，故有较明显的日内和日间变异。女性月经中期的 LH 高峰促成排卵，男性 LH 主要刺激 Leydig 细胞产生睾丸酮，又协同 FSH 促进精子成熟。与 FSH 同时测定，是研究和判断下丘脑 — 垂体 — 性腺轴功能的常规检查方法。LH 的测定在预测排卵时间上具有特殊重要意义，它还可用于绝经期检查，不孕症诊断和内分泌治疗的监测等。