



Rabbit Anti-LH beta antibody

SL0951R

Product Name:	LH beta
Chinese Name:	促黄体生成素抗体
Alias:	luteinizing hormone beta; CGB 4; CGB4; hLHB; Interstitial cell stimulating hormone; Interstitial cell stimulating hormone beta chain; Leutropin; LH B; LHB; LSH B; LSH beta; LSHB; LH-B; LSH-B; LSH-beta; Luteinising hormone; Luteinizing hormone beta; Luteinizing hormone beta polypeptide; Luteinizing hormone beta subunit; Luteinizing hormone subunit beta; Lutropin beta chain; Lutropin beta chain precursor; Lutropin subunit beta; LSHB HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Luteinizing Hormone is a member of the glycoprotein hormone family. Glycoprotein 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

Important Note:

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

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。