

Product datasheet for **AP08136PU-S**

Luteinizing Hormone beta (LHB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears): 1/100-1/500 using streptavidin~biotin system or polymer system. Positive Control: Human anterior pituitary.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	LH beta.
Specificity:	This antibody stains both free and intact LH and is useful for the classification of pituitary adenomas and tumors of the pituitary. Cellular Localization: Cytoplasmic.
Formulation:	10 mM PO ₄ , 150 mM NaCl, pH 7.4 containing 0.05% Sodium Azide as preservative and 1% BSA as stabilizer. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	luteinizing hormone beta polypeptide
Database Link:	Entrez Gene 3972 Human P01229



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Background:

Luteinizing Hormone (LH) is a tropic hormone which modulates the secretory activity of other endocrine glands. This glycoprotein hormone is produced in the anterior hypophysis of the pituitary gland. In the female an acute rise of LH the LH surge – triggers ovulation. In the male, where LH had also been called Interstitial Cell Stimulating Hormone (ICSH), it stimulates Leydig cell production of testosterone. The alpha subunits of LH, FSH, TSH, and hCG are identical, and contain 92 amino acids, the beta subunit 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.

Synonyms:

LHB, LH-B, LSH-beta, Luteinizing hormone subunit beta, Lutropin beta chain, Lutropin subunit beta