

Product datasheet for **AP05458PU-N**

Luteinizing Hormone beta (LHB) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	IRMA. Radioimmunoassays: >1/50,000 initial dilution in 125I RIA overnight assay. ELISA: Has been used for coating and also as a capture antibody in a two site assay in conjunction with other monoclonal antibodies.
Reactivity:	Human
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Highly purified human pituitary luteinizing hormone.
Specificity:	This antibody recognises human luteinizing hormone, a gonadotrophic hormone found in the anterior lobe of the pituitary gland. TSH: 20% hCG: 6% FSH: 6% Prolactin: 0.1% hPL: 0.1%
Formulation:	Phosphate buffered saline, pH 7.2 containing 0.09% Sodium Azide (NaN ₃) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
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 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.
Synonyms:	LH
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	GnRH signaling pathway, Neuroactive ligand-receptor interaction