

## Product datasheet for **AP05463PU-N**

### Luteinizing Hormone beta (LHB) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: 1/200 - 1/500. Western Blot: 1/300 - 1/400.
Reactivity:	Porcine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Porcine luteinizing hormone
Specificity:	This antibody is specific for porcine luteinizing hormone and does not react with GH, TSH, LH alpha or prolactin. Minimal reactivity has been observed with FSH.
Formulation:	State: Purified State: Lyophilised Ig fraction
Reconstitution Method:	Reconstitute with 50 µl sterile distilled water. For long term storage the addition of a preservative is recommended.
Purification:	Ammonium sulphate precipitation
Conjugation:	Unconjugated
Storage:	Prior to and following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	luteinizing hormone beta polypeptide
Database Link:	<a href="#">Entrez Gene 3972 Human P01229</a>



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<b>Background:</b>	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.
<b>Synonyms:</b>	CGB4; hLHB; LH-B; LSH-B; LSH-beta
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	GnRH signaling pathway, Neuroactive ligand-receptor interaction