

Rabbit anti-Human LH-beta (Luteinizing Hormone-beta) Monoclonal Antibody | anti-LHB antibody

LH-beta (Luteinizing Hormone-beta) Recombinant Rabbit Monoclonal Antibody [Clone LHb/1612R]

CATALOG # AAA215774	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

LH-beta (Luteinizing Hormone-beta); Monoclonal Antibody; LH-beta (Luteinizing Hormone-beta) Recombinant Rabbit Monoclonal Antibody [Clone LHb/1612R]; Chorionic Gonadotropin; Beta polypeptide 4 (CGB4); hLHB; Interstitial cell stimulating hormone beta chain; Leutropin; LH-B; LHB; LSH-B; LSH-beta; Luteinizing hormone beta polypeptide; Lutropin beta chain; anti-LHB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	LHb/1612R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-LHB antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant full-length human LHB protein
Cellular Localization	Cytoplasm, Secreted
Positive Control	Anterior Pituitary
Hu-chromosome Location	19q13.32
Unigene	154704
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human pituitary stained with LH-beta Recombinant Rabbit
Monoclonal Antibody (LHb/1612R).

ADDITIONAL INFORMATION

Related Product Information for anti-LHB antibody	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. This beta subunit contains the same amino acids in sequence as the beta subunit of hCG and both stimulate the same receptor; however, the hCG beta subunit contains an additional 24 amino acids and the hormones differ in the composition of their sugar moieties. LH is synthesized and secreted by gonadotrophs in the anterior lobe of the pituitary gland. In concert with the other pituitary gonadotropin follicle-stimulating hormone (FSH), it is necessary for proper reproductive function. In the female, an acute rise of LH levels triggers ovulation. In the male, where LH has also been called Interstitial Cell-Stimulating Hormone (ICSH), it stimulates Leydig cell production of testosterone. LH is a useful marker in classification of pituitary tumors and the study of pituitary disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4262812
NCBI GeneID	3972
UniProt Accession #	P01229; Q9UDI0
Molecular Weight	15,345 Da
NCBI Official Full Name	luteinizing hormone beta subunit (LHbeta), partial
NCBI Official Synonym Full Names	luteinizing hormone beta polypeptide
NCBI Official Symbol	LHB
NCBI Official Synonym Symbols	CGB4; hLHB; LSH-B
NCBI Protein Information	lutropin subunit beta; LSH-beta; lutropin beta chain; luteinizing hormone beta subunit; interstitial cell stimulating hormone, beta chain
UniProt Protein Name	Lutropin subunit beta
UniProt Gene Name	LHB
UniProt Synonym Gene Names	Lutropin beta chain; LH-B; LSH-B; LSH-beta
UniProt Entry Name	LSHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.