Recombinant LH-beta (Luteinizing Hormone-beta) Antibody

Mouse Monoclonal Antibody [Clone rLHb/1613]

Catalog No	Format	Size
3972-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3972-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3972-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

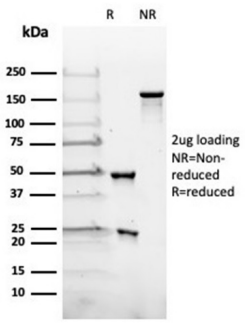
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

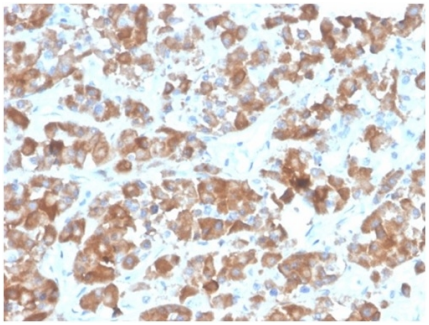
Clone	rLHb/1613
Gene Name	LHB
Immunogen	Recombinant full-length human LHB protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	22kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Anterior Pituitary

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant LH-beta (Luteinizing Hormone-beta) Antibody



SDS-PAGE Analysis Purified LH-beta Recombinant Mouse Monoclonal Antibody (rLHb/1613). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human pituitary stained with LH-beta Recombinant Mouse Monoclonal Antibody (rLHb/1613). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Signal Transduction

Limitations and Warranty