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Datasheet for ABIN6939960 anti-LHB antibody

2 Images



Overview

| Quantity: | 100 µg |
|--------------|--|
| Target: | LHB |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This LHB antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM) |

Product Details

| Immunogen: | Recombinant beta sub-unit of human LH |
|---------------|---------------------------------------|
| Clone: | LHb-1214 |
| Isotype: | IgG1 kappa |
| Purification: | Purified by Protein A/G |

Target Details

| Target: | LHB |
|-------------------|---|
| Alternative Name: | LHB (LHB Products) |
| Background: | Luteinizing hormone (LH) is a glycoprotein. Each monomeric unit is a sugar-like protein molecule, two of these make the full, functional protein. Its structure is similar to the other |
| | glycoproteins, follicle-stimulating hormone (FSH), thyroid-stimulating hormone (TSH), and human chorionic gonadotropin (hCG). The protein dimer contains 2 polypeptide units, labeled |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6939960 | 09/10/2023 | Copyright antibodies-online. All rights reserved. alpha and beta subunits that are connected by two bridges. The alpha subunits of LH, FSH, TSH, and hCG are identical, and contain 92 amino acids. The beta subunits 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. 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.

| 22kDa |
|--|
| 3972 |
| P01229 |
| Metabolism of Steroid Hormones and Vitamin D, Peptide Hormone Metabolism, Hormone Activity, C21-Steroid Hormone Metabolic Process |
| |

Application Details

| Application Notes: | Positive Control: Anterior Pituitary. |
|--------------------|---|
| | Known Application: Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL, 30 min RT) (Staining of |
| | formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10- |
| | 20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application |
| | should be determined. |
| Restrictions: | For Research Use only |
| Handling | |
| Concentration: | 200 µg/mL |

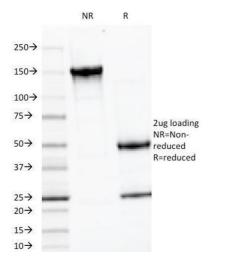
| Concentration: | 200 µg/mL |
|--------------------|--|
| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

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Handling

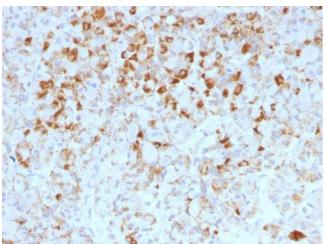
| Storage: | 4 °C,-80 °C |
|------------------|---|
| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
| Expiry Date: | 24 months |

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified LH-beta Mouse Monoclonal Antibody (LHb/1214). Confirmation of Integrity and Purity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Pituitary stained with LH-beta Mouse Monoclonal Antibody (LHb/1214).

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