bs-1464R **[Primary Antibody]**

GnRHR Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2798 **SWISS:** P30968

Target: GnRHR

Immunogen: KLH conjugated synthetic peptide derived from human GnRHR: 201-328/328. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Gonadotropin Releasing Hormone (GnRH) is down-regulated by hCG and believed to be an autocrine factor that regulates the ovary. The Gonadotropin Releasing Hormone Receptor (GnRHR) is synthesized in the pituitary gland. Activin A has been shown to stimulate the synthesis of GnRHR, illustrating a possible mechanism for the modulation of gonadotropin responsiveness to GnRH.

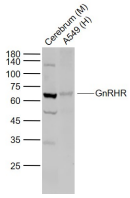
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Dog, Horse)

Predicted MW.: 36 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: A549 (Human) Cell Lysate at 30 ug Primary: Anti-GnRHR (bs-1464R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62-70 kD Observed band size: 63 kD

SELECTED CITATIONS

- **[IF=4.736]** Lu Xiaosheng. et al. Deficiency of C1QL1 reduced murine ovarian follicle reserve through intraovarian and endocrine control. ENDOCRINOLOGY. 2022 Apr;: IHC ;Mouse. 10.1210/endocr/bqac048
- **[IF=5.3]** Jun Zhu. et al. Eicosatrienoic acid inhibits estradiol synthesis through the CD36/FOXO1/CYP19A1 signaling pathway to improve PCOS in mice. BIOCHEM PHARMACOL. 2024 Sep;:116517 WB ;Mouse. 39236935
- **[IF=3.14]** Liu, Te, et al. "Effects of di-(2-ethylhexyl) phthalate on the hypothalamus-pituitary-ovarian axis in adult female rats." Reproductive Toxicology (2014). IHC ;Rat. 24675100
- **[IF=3.34]** López-Doval, S., R. Salgado, and A. Lafuente. "The expression of several reproductive hormone receptors can be modified by perfluorooctane sulfonate (PFOS) in adult male rats." Chemosphere 155 (2016): 488-497. Other ;Rat. 27151425
- **[IF=2.7]** Zixuan Chen. et al. Therapeutic Effects of Melatonin in Female Mice with Central Precocious Puberty by Regulating the Hypothalamic Kiss-1/Kiss1R System. BEHAV BRAIN RES. 2023 Nov;:114783 WB ;Mouse. 38029845