

bs-11403R**[Primary Antibody]****GNRHR2 Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Pig)
GeneID: 114814		
Target: GNRHR2		
Immunogen: KLH conjugated synthetic peptide derived from human GNRHR2: 81-180/292. < Extracellular >		
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.		Predicted MW.: 33 kDa
Background: Gonadotropin-releasing hormone (GnRH) is released in a pulsatile manner that varies with the reproductive cycle. This hypothalamic hormone is transported to the pituitary, where it binds to specific receptors and regulates the synthesis and release of luteinizing hormone (LH) and follicle-stimulating hormone (FSH). Localized to the cell membrane, GnRHR2 mediates its own receptor activity via association with G proteins, thereby activating a phosphatidylinositol-calcium second messenger system that regulates GnRHR2 function. GnRHR2 is thought to have potent antiproliferative effects on ovarian and endometrial cancer cells, suggesting a possible role in tumor suppression. Due to alternative splicing events, GnRHR2 is expressed as two isoforms.		Subcellular Location: Cell membrane

— SELECTED CITATIONS —

- **[IF=4.095]** Ding H et al. Expression and regulation of GnRHR2 gene and testosterone secretion mediated by GnRH2 and GnRHR2 within porcine testes. J Steroid Biochem Mol Biol. 2019 Jun;190:161-172. WB,IHC ;Boar. 30930217
- **[IF=0.4]** Agil Wahyu Wicaksono. et al.Clinicopathological Profiles and Proliferative Activity of GnRH Receptor Type II Expressing Ovarian Cancer.INDIAN JOURNAL OF GYNECOLOGIC ONCOLOGY. IHC ;Human. 10.1007/s40944-025-00978-2