

bs-6431R**[Primary Antibody]****LHR Rabbit pAb****BioSS**
ANTIBODIES

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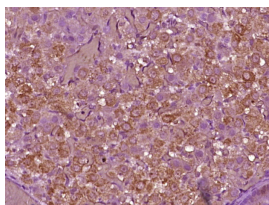
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 3973	SWISS: P22888	
Target: LHR		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human LHR/CGR: 201-300/699. < Extracellular >		
Purification: affinity purified by Protein A		Predicted MW.: 74 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
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: This gene encodes the receptor for both luteinizing hormone and choriogonadotropin. This receptor belongs to the G-protein coupled receptor 1 family, and its activity is mediated by G proteins which activate adenylate cyclase. Mutations in this gene result in disorders of male secondary sexual character development, including familial male precocious puberty, also known as testotoxicosis, hypogonadotropic hypogonadism, Leydig cell adenoma with precocious puberty, and male pseudohermaphroditism with Leydig cell hypoplasia. [provided by RefSeq]		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat ovary tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LHR) Polyclonal Antibody, Unconjugated (bs-6431R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6]** Yu Cai. et al. β -Nicotinamide Mononucleotide Reduces Oxidative Stress and Improves Steroidogenesis in Granulosa Cells Associated with Sheep Prolificacy via Activating AMPK Pathway. *ANTIOXIDANTS-BASEL*. 2025 Jan;14(1):34 IF ;Sheep. 10.3390/antiox14010034
- **[IF=6.208]** Sijie Fan. et al. Seasonal Change in Adiponectin Associated with Ovarian Morphology and Function in Wild Ground Squirrels (*Citellus dauricus* Brandt). *INT J MOL SCI*. 2022 Jan;23(23):14698 IHC ;Squirrel. 36499026
- **[IF=4.8]** Hee-Yeon Kwon. et al. Improvement of Late-Onset Hypogonadism Symptoms of Fermented *Morinda citrifolia*

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Extract in TM3 Leydig and TM4 Sertoli Cells. NUTRIENTS. 2024 Jan;16(23):4159 WB ;Mouse. 39683553

- **[IF=4.996]** Wang, Yan. et al. Rumen-protected glucose stimulates the secretion of reproductive hormones and the mTOR/AKT signaling pathway in the ovaries of early postpartum. SCI REP-UK. 2023 Feb;13(1):1-13 IHC ;Bovine. 36808140
- **[IF=4.546]** Boyang Wan. et al. The Effects of Zearalenone on the Localization and Expression of Reproductive Hormones in the Ovaries of Weaned Gilts. Toxins. 2021 Sep;13(9):626 WB,IF ; weaned gilts. 34564630