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[Primary Antibody]

Rabbit Anti-GNRHR2 antibody

Catalog Number: SL11403R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Pig)
Predicted MW.:	33kDa
Subcellular Location:	The cell membrane
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

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	suppression. Due to alternative splicing events, GnRHR2 is expressed as two isoforms. **Function:** Receptor for gonadotropin releasing hormone II (GnRH II). This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Post-translational modifications:** Phosphorylated on the C-terminal cytoplasmic tail (Probable). **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:**

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