SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-LHR antibody

Catalog Number: SL6431R

FOR RESEARCH USE ONLY

[DATASHEET]

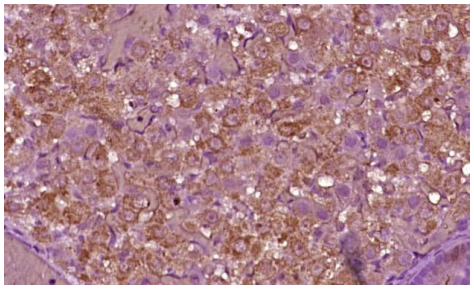
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	LHR
Immunogen:	KLH conjugated synthetic peptide derived from human LHR/CGR: 201-300/699 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	74kDa
Subcellular Location:	The cell membrane
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 pseudohermaphtoditism with Leydig cell hypoplasia. [provided by RefSeq] **Function:** Receptor for lutropin-choriogonadotropic hormone. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Gonadal and thyroid cells.

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

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	DISEASE: Familial male precocious puberty (FMPP) [MIM:176410]: In FMPP the receptor is constitutively activated. Note=The disease is caused by mutations affecting the gene represented in this entry. Luteinizing hormone resistance (LHR) [MIM:238320]: An autosomal recessive disorder characterized by unresponsiveness to luteinizing hormone, defective sexual development in males, and defective follicular development and ovulation, amenorrhea and infertility in females. Two forms of the disorder have been defined in males. Type 1 is a severe form characterized by complete 46,XY male pseudohermaphroditism, low testosterone and high luteinizing hormone levels, total lack of responsiveness to luteinizing and chorionic gonadotropin hormones, lack of breast development, and absent development of secondary male sex characteristics. Type 2, a milder form, displays a broader range of phenotypic expression ranging from micropenis to severe hypospadias. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily. Contains 6 LRR (leucine-rich) repeats. Contains 1 LRRNT domain. **Database links:** **Entrez Gene:** 3973 Human **Entrez Gene:** 25477 Rat Omim: 152790 Human **SwissProt:** P22888 Human **SwissProt:** P16235 Rat **Unigene:** 468490 Human **Unigene:** 11216 Rat

[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 (SL6431R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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