

Anti-hCG Receptor Antibody

Catalog # ABO10870

Product Information

Application	WB, IHC-P
Primary Accession	P22888
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Lutropin-choriogonadotropic hormone receptor(LHCGR) detection. Tested with WB, IHC-P in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3973
Other Names	Lutropin-choriogonadotropic hormone receptor, LH/CG-R, Luteinizing hormone receptor, LHR, LSH-R, LHCGR, LCGR, LGR2, LHRHR
Calculated MW	78643
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Rat, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Gonadal and thyroid cells.
Source	Eukaryota
Protein Name	Lutropin-choriogonadotropic hormone receptor(LH/CG-R)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human hCG receptor(127-143aa YLSICNTGIRKFPDVTK), different from the relative rat sequence by two amino acids, mouse sequence by three amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily.

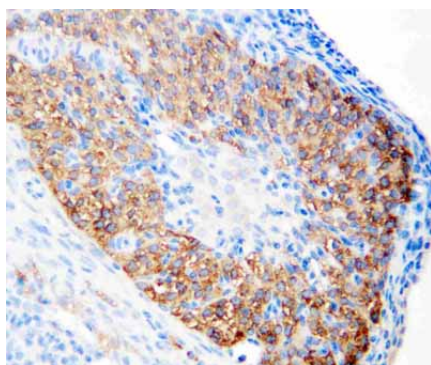
Protein Information

Name	LHCGR
Synonyms	LCGR, LGR2, LHRHR
Function	Receptor for lutropin-choriogonadotropic hormone (PubMed: 11847099). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed: 11847099).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Gonadal and thyroid cells.

Background

The luteinizing hormone/choriogonadotropin receptor is a member of a subfamily of G protein-coupled receptors(GPCR) characterized by the presence of a large N-terminal extracellular domain containing several leucine-rich repeats(LRR). This glycoprotein hormone receptor family has been named the LRR-containing GPCR(LGR) family. The LHCGR gene contains 11 exons and spans approximately 80 kb and it is mapped to chromosome 2p21. In the ovary, theca, stromal, late-stage(luteinizing) granulosa, and luteal cells contain LHCGR. In the testes, Leydig cells contain LHCGR.

Images



Anti-hCG receptor antibody, ABO10870, IHC(P)IHC(P): Rat Ovary Tissue



Anti-hCG receptor antibody, ABO10870, Western blottingAll lanes: Anti hCG receptor (ABO10870) at 0.5ug/mlWB: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 78KDObserved bind size: 78KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.