

**Anti-hCG Receptor Antibody**  
**Catalog # ABO10870****Specification**

---

**Anti-hCG Receptor Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P22888</a>
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.

**Anti-hCG Receptor Antibody - 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 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Rat, Human , By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Cell membrane; Multi-pass membrane protein.

**Tissue Specificity**

Gonadal and thyroid cells.

**Protein Name**

Lutropin-choriogonadotropic hormone receptor(LH/CG-R)

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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 reconstitution, 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.

**Anti-hCG Receptor Antibody - Protein Information**

**Name** LHCGR

**Synonyms** LCGR, LGR2, LHRHR

**Function**

Receptor for lutropin-choriogonadotropic hormone (PubMed:[11847099](http://www.uniprot.org/citations/11847099)). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:[11847099](http://www.uniprot.org/citations/11847099)).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

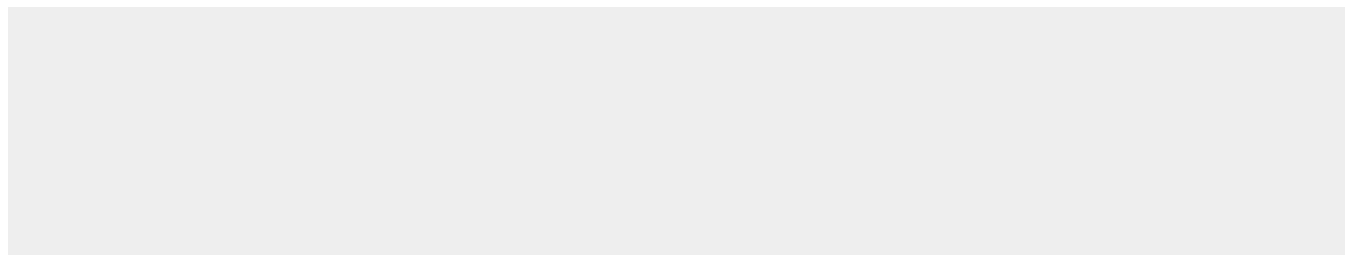
**Tissue Location**

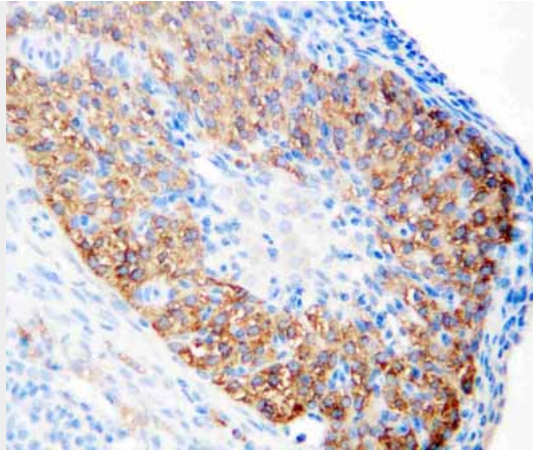
Gonadal and thyroid cells.

**Anti-hCG Receptor Antibody - Protocols**

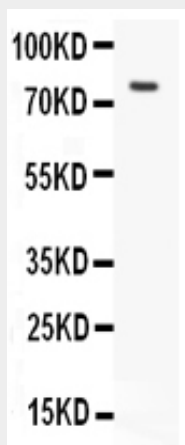
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-hCG Receptor Antibody - 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

### Anti-hCG Receptor Antibody - 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.