

# CoraLite® Plus 647-conjugated LHCGR Polyclonal antibody

Catalog Number: **CL647-19968**

## Basic Information

**Catalog Number:**

CL647-19968

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000233

**GeneID (NCBI):**

3973

**UNIPROT ID:**

P22888

**Full Name:**

LHCGR

**Calculated MW:**

79 kDa

**Observed MW:**

90-100 kDa

**Purification Method:**

Antigen affinity purification

**Excitation/Emission maxima  
wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

**Species Specificity:**

human, mouse, rat

## Background Information

Lutropin-choriogonadotropic hormone receptor (LHCGR, also known as LHR or LSHR) belongs to the rhodopsin-like family of G protein-coupled receptors (GPCRs) and plays a crucial role in the regulation of gonadal functions by stimulating steroidogenesis in response to luteinizing hormone (LH) or hCG (PMID: 15866423). Mutations in LHCGR gene result in familial male-limited precocious puberty, Leydig cell hypoplasia, and empty follicle syndrome (PMID: 30711030). LHCGR protein consists of 699 amino acids with a calculated molecular weight of 79 kDa. Due to massive glycosylation, the molecular mass of the mature LHCGR is higher (85-100 kDa) than the predicted molecular protein mass of 79 kDa (PMID: 23686864; 15866423; 29075189; 15969756).

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

