

For Research Use Only

# CoraLite® Plus 647-conjugated LHCGR Polyclonal antibody

Catalog Number: CL647-26424

Featured Product



## Basic Information

**Catalog Number:**

CL647-26424

**Size:**

100ul, Concentration: 1000 ug/ml by  
Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG19259

**GenBank Accession Number:**

BC157028

**GeneID (NCBI):**

3973

**UNIPROT ID:**

P22888

**Full Name:**

LHCGR

**Calculated MW:**

699 aa, 79 kDa

**Observed MW:**

100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

IF-P

**Species Specificity:**

human, mouse

**Positive Controls:**

IF-P: mouse ovary tissue,

## Background Information

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

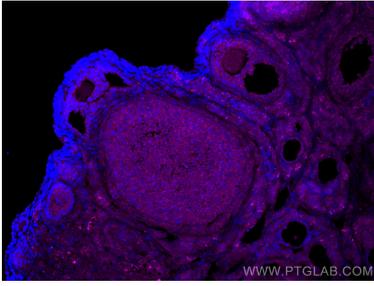
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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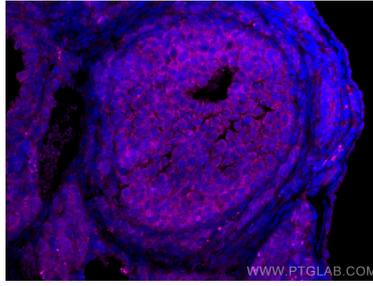
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse ovary tissue using CoraLite® Plus 647 LHCGR antibody (CL647-26424) at dilution of 1:200.



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