LHCGR Polyclonal ANTIBODY
Catalog Number: 19968-1-AP

Basic Information
- Catalog Number: 19968-1-AP
- Size: 29 μg/150 μl
- Source: Rabbit
- Isotype: IgG
- Purification Method: Antigen affinity purification
- Calculated MW: 79 kDa
- Observed MW: 100 kDa

Recommended Dilutions:
- WB: 1:500-1:1000
- IP: 0.5-4.0 μg for IP and 1:150-1:600 for WB

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Applications
- Tested Applications: IP, WB, ELISA
- Cited Applications: IHC, WB
- Species Specificity: human, mouse, rat
- Cited Species: human, mouse, rat

Positive Controls:
- WB: mouse testis tissue; multi-cells/tissue
- IP: mouse testis tissue;

Background Information
- LHCGR, also named as LGR2, LGRHR, LHR and LSHR, belongs to the G-protein coupled receptor 1 family and FSH/LSH/TSH subfamily. LHCGR is a receptor for lutropin-choriogonadotropic hormone. The activity of LHCGR is mediated by G proteins which activate adenylate cyclase.
- Defects in LHCGR are a cause of familial male precocious puberty (FMPP). Defects in LHCGR are a cause of Leydig cell hypoplasia (LCH). The predicted relative molecular mass of LHCGR is ~75 kDa, or higher, depending upon the level of glycosylation (PMID: 15969756).

Notable Publications
- Author: Kaori Nozawa
  - Pubmed ID: 24632129
  - Journal: Reprod Toxicol
  - Application: WB, IHC
- Author: Oscar Gee Wan Wong
  - Pubmed ID: 30031727
  - Journal: Am J Pathol
  - Application: WB
- Author: Yaping Liu
  - Pubmed ID: 20771609
  - Journal: Int J Mol Sci
  - Application: WB

Storage
- Store at -20ºC. Stable for one year after shipment.
- Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- Aliquoting is unnecessary for -20ºC storage

For technical support and original validation data for this product please contact:
- T: (888) 4PTGLAB (toll free in USA), or (312) 455-8498 (outside USA)
- E: proteintech@ptglab.com
- W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

WB result of 19968-1-AP(LHCGR antibody).

Mouse testis tissue were subjected to SDS-PAGE followed by western blot with 19968-1-AP(LHCGR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP Result of anti-LHCGR (IP: 19968-1-AP, 4ug; Detection: 19968-1-AP 1:300) with mouse testis tissue lysate 4000ug.