10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LHCGR Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2014a

Specification

LHCGR Antibody - Product Information

Application	**WB, FC, ICC, E**
Primary Accession	P22888
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**78.6kDa KDa**

Description
This gene encodes the receptor for both luteinizing hormone and choriogonadotropin. This receptor belongs to the G-protein coupled receptor 1 family, and its activity is mediated by G proteins which activate adenylate cyclase. Mutations in this gene result in disorders of male secondary sexual character development, including familial male precocious puberty, also known as testotoxicosis, hypogonadotropic hypogonadism, Leydig cell adenoma with precocious puberty, and male pseudohermaphtoditism with Leydig cell hypoplasia.

Immunogen
LHR-29 from ATCC

Formulation
Purified antibody in PBS with 0.05% sodium azide

LHCGR 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

Dilution
WB~~1/500 - 1/2000
FC~~1/200 - 1/400
ICC~~N/A
E~~1/10000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LHCGR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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LHCGR Antibody - 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.

LHCGR 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 Cytomety
- Cell Culture