

LHCGR monoclonal antibody, clone LHCGR/1415

Catalog # MAB14582 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human LHCGR.
Immunogen	Recombinant protein corresponding to N-terminus of human LHCGR.
Host	Mouse
Theoretical MW (kDa)	78-85
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence
- Flow Cytometry

Gene Info — LHCGR

Entrez GeneID [3973](#)

Protein Accession# [P22888](#)

Gene Name LHCGR

Gene Alias FLJ41504, LCGR, LGR2, LH/CG-R, LH/CGR, LHR, LHRHR, LSH-R

Gene Description luteinizing hormone/choriogonadotropin receptor

Omim ID [152790](#) [176410](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the receptor for both luteinizing hormone and choriogonadotropin. This recept or belongs to the G-protein coupled receptor 1 family, and its activity is mediated by G proteins w hich activate adenylate cyclase. Mutations in this gene result in disorders of male secondary sexu al character development, including familial male precocious puberty, also known as testotoxicosi s, hypogonadotropic hypogonadism, Leydig cell adenoma with precocious puberty, and male pse udohermaphroditism with Leydig cell hypoplasia. [provided by RefSeq

Other Designations luteinising hormone-choriogonadotropin receptor|lutropin/choriogonadotropin receptor

Publication Reference

- [Biochemical characterization and modulation of LH/CG-receptor during human trophoblast differentiation.](#)

Pidoux G, Gerbaud P, Tsatsaris V, Marpeau O, Ferreira F, Meduri G, Guibourdenche J, Badet J, Evain-Brion D, Frendo JL. Journal of Cellular Physiology 2007 Jul; 212(1):26.

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abortion](#)

- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cryptorchidism](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hyperparathyroidism](#)
- [Iatrogenic Disease](#)
- [Infertility](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Hyperstimulation Syndrome](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Puberty](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)