

LHCGR monoclonal antibody, clone LHCGR/1416

Catalog # MAB14839 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/10⁶ 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.

Storage Instruction
Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

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](#)