

RecomAb™

GNRHR/LHCGR recombinant monoclonal antibody, clone GNRHR/2982R

Catalog # RAB00554 Size 100 ug

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against full length human GNRHR.
Antibody Species	Rabbit
Immunogen	Recombinant protein corresponding to full-length human GNRHR.
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	ELISA (For coating) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mg/mL PBS
Storage Instruction	Store at -20 to -80°C.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GNRHR

Entrez GeneID	2798
Protein Accession#	P30968 ; P22888

Gene Name	GNRHR
Gene Alias	GNRHR1, GRHR, LHRHR, LRHR
Gene Description	gonadotropin-releasing hormone receptor
Omim ID	138850 228300
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the receptor for type 1 gonadotropin-releasing hormone. This receptor is a member of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed on the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. Following binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ultimately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormone (FSH). Defects in this gene are a cause of hypogonadotropic hypogonadism (HH). Alternative splicing results in multiple transcript variants encoding different isoforms. More than 18 transcription initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified for this gene. [provided by RefSeq]
Other Designations	gonadotropin-releasing hormone (type 1) receptor 1 leutinizing hormone releasing hormone receptor leutinizing-releasing hormone receptor luliberin receptor type I GnRH receptor

Gene Info — LHCGR

Entrez GeneID	3973
Protein Accession#	P30968; 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 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 pseudohermaphroditism with Leydig cell hypoplasia. [provided by RefSeq]
Other Designations	luteinising hormone-choriogonadotropin receptor lutropin/choriogonadotropin receptor

Pathway

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

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chromosome Disorders](#)
- [Cryptorchidism](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hyperparathyroidism](#)
- [Hypogonadism](#)

- [Iatrogenic Disease](#)
- [Infertility](#)
- [Kallmann Syndrome](#)
- [Mental Disorders](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Failure](#)
- [Ovarian Hyperstimulation Syndrome](#)
- [Ovarian Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)

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