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

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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 m ember of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed o n the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. F ollowing binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ulti mately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormo ne (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 transcripti on initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified fo r this gene. [provided by RefSeq
Other Designations	gonadotropin-releasing hormone (type 1) receptor 1|leutinizing hormone releasing horomone rece ptor|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 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 udohermaphtoditism with Leydig cell hypoplasia. [provided by RefSeq
Other Designations	luteinising hormone-choriogonadotropin receptor|lutropin/choriogonadotropin receptor

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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

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- 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

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- Puberty
- Social Perception
- Thrombophilia
- Thrombophilia
- Tobacco Use Disorder
- Tobacco Use Disorder

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