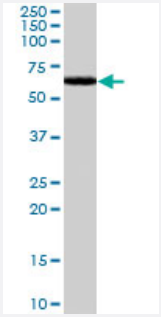
GNRHR polyclonal antibody

Catalog # PAB7168 Size 100 ug

Applications



Western Blot (Cell lysate)

GNRHR polyclonal antibody (Cat # PAB7168) (0.5 ug/mL) staining of human peripheral blood mononucleocyte lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of GNRHR.
Immunogen	A synthetic peptide corresponding to human GNRHR.
Sequence	C-QKWTQKKEKGK
Host	Goat
Theoretical MW (kDa)	37.7, 27.7
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_00.0397.1, NP_001012781.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:32000) Western Blot (0.5-1.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — GNRHR

Entrez GeneID	2798
Protein Accession#	NP_00.0397.1;NP_001012781.1
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 receptor|leutinizing-releasing hormone receptor|luliberin receptor|type I GnRH receptor

Publication Reference

- Expression and transcriptional regulation of the GnRH receptor gene in human neuronal cells.

  Yeung CM, An BS, Cheng CK, Chow BK, Leung PC.

  Molecular Human Reproduction 2005 Nov; 11(11):837.

Pathway

- GnRH signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Amenorrhea
- Breast cancer
- Breast Neoplasms
- Chromosome Disorders
- Genetic Predisposition to Disease
- Hypogonadism
- Kallmann Syndrome
- Mental Disorders
- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Failure

- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Thrombophilia
- Tobacco Use Disorder