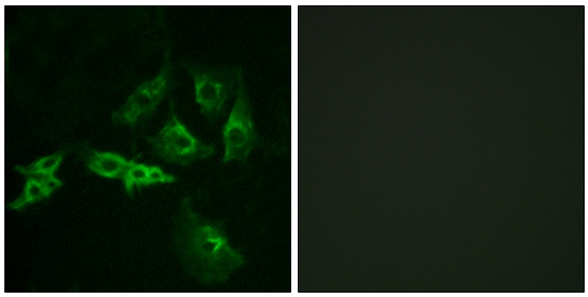
GnRH-R Polyclonal Antibody

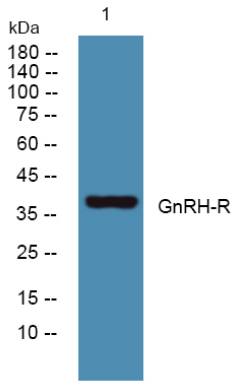
Catalog No	YP-Ab-13276
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IF;ELISA
Gene Name	GNRHR
Protein Name	Gonadotropin-releasing hormone receptor
Immunogen	The antiserum was produced against synthesized peptide derived from human GNRHR. AA range:41-90
Specificity	GnRH-R Polyclonal Antibody detects endogenous levels of GnRH-R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GNRHR; GRHR; Gonadotropin-releasing hormone receptor; GnRH receptor; GnRH-R
Observed Band	37kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Pituitary, ovary, testis, breast and prostate but not in liver and spleen.
Function	disease:Defects in GNRHR are a cause of fertile eunuch syndrome [MIM:228300]. Fertile eunuch syndrome is a mild phenotypic form of HH going with the presence of normal testicular size and some degree of spermatogenesis.,disease:Defects in GNRHR are a cause of idiopathic hypogonadotropic hypogonadism (IHH) [MIM:146110]. IHH is defined as a deficiency of the pituitary secretion of follicle-stimulating hormone and luteinizing hormone, which results in the impairment of pubertal maturation and of reproductive function.,function:Receptor for gonadotropin releasing hormone (GnRH) that mediate the action of GnRH to stimulate the secretion of the gonadotropic hormones (LH and FSH). This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Isoform 2 may act a an inhibitor of GnRH-R signaling.,similarity:Belongs to the G-

Background	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 gen
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of A549 cells, using GNRHR Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night