

产品名称: GnRH-R Rabbit Polyclonal Antibody
产品货号: APRab11567



产品概述 (Summary)

产品名称 (Production Name)	GnRH-R Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GNRHR
别名 (Alternative Names)	GNRHR; GRHR; Gonadotropin-releasing hormone receptor; GnRH receptor; GnRH-R
基因 ID (Gene ID)	2798.0
蛋白 ID (SwissProt ID)	P30968. The antiserum was produced against synthesized peptide derived from human GNRHR. AA range: 41-90

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	37kDa

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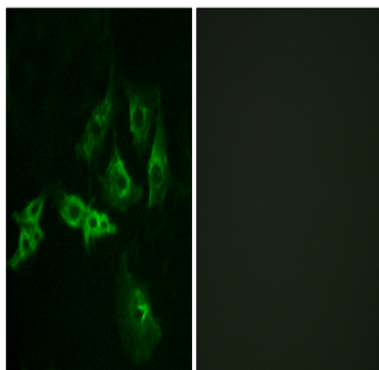
研究背景 (Background)

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 gene. 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. 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. 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 as an inhibitor of GnRH-R signaling. Belongs to the G-protein coupled receptor 1 family. Tissue specificity: Pituitary, ovary, testis, breast and prostate but not in liver and spleen.

研究领域 (Research Area)

Neuroactive ligand-receptor interaction; GnRH;

图片 (Image Data)



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

注意事项 (Note)

For research use only.

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