Datasheet for ABIN7654643

Recombinant anti-GNRHR antibody (Biotin)

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Overview

Quantity:	100 µL
Target:	GNRHR
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This GNRHR antibody is conjugated to Biotin
Application:	Please inquire

Product Details

Purpose:	GnRH-Receptor / LH-RH Receptor(GNRHR/2982R), Biotin conjugate
Immunogen:	Recombinant full-length human GNRHR protein
Clone:	GNRHR-2982R
Isotype:	IgG
Characteristics:	Recognizes an epitope on the extracellular domain of gonadotropin releasing hormone (GnRH) receptor or luteinizing hormone receptor (LHCGR). Lutropin (also designated luteinizing hormone) plays a role in spermatogenesis and ovulation by stimulating the testes and ovaries to produce steroids. Gonadotropin (also designated choriogonadotropin) production in the placenta maintains estrogen and progesterone levels during the first trimester of pregnancy. Ovaries and testes abundantly express luteinizing hormone/choriogonadotropin receptor. GnRH receptor contains seven hydrophobic transmembrane domains connected by hydrophilic

Product Details

extracellular and intracellular loops characteristic of G-protein coupled receptors. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinizing hormone (LH) as well as follicle-stimulating hormone (FSH). GnRH influences the protective effect of pregnancy and Gonadotropin against breast cancer. The expression of GnRH on breast carcinoma correlates in part to the degree of tumor differentiation. GnRH-positive breast tumors occur more frequently in tumors with greater cell differentiation in premenopausal women. GnRH is present in luteal and granulosa cells as well as in ovarian cell membrane preparations. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	GNRHR
Alternative Name:	GnRH Receptor
Background:	Synonyms: GnRH receptor, GnRH-R, GNRHR1, gonadotropin-releasing hormone (type 1) receptor 1, GRHR, HH7, leutinizing-releasing hormone receptor, LHRHR, LRHR, luliberin receptor, luteinizing hormone releasing hormone receptor, Type I GnRH receptor Gene Symbol: GNRHR and LHCGR Tissue Expression: Pituitary gland|Adrenal gland
Molecular Weight:	54-60 kDa
Gene ID:	2798, 3973
UniProt:	P30968, P22888

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µLfor flow cytometry
Comment:	Positive Control: T47D cells. Pituitary gland, ovarian or breast cancers.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months