Datasheet for ABIN6252498

anti-GNRHR antibody

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Overview

Quantity:	100 µg
Target:	GNRHR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GNRHR antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant full-length human GnRHR protein was used as the immunogen for the GnRH Receptor antibody.
Clone:	GNRHR-768
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	GNRHR
Alternative Name:	GnRH Receptor (GNRHR Products)
Background:	Recognizes an epitope on the extracellular domain of gonadotropin releasing hormone (GnRH) receptor or luteinizing hormone receptor (LHCGR). Lutropin (also designated luteinizing

Target Details

	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 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.
Gene ID:	2798
UniProt:	P30968

Application Details

Application Notes:	Flow Cytometry: 0.5-1 µg/million cells in 0.1ml Immunofluorescence: 1-2 µg/mL Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT (1) Prediluted format : incubate for 30 min at RT (2) Optimal dilution of the GnRH Receptor antibody should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Concentration:	0.2 mg/mL
Buffer:	PBS with 0.1 mg/mL BSA and 0.05 % sodium 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:	-20 °C
Storage Comment:	Aliquot and Store at -20C. Avoid freez-thaw cycles.