ARG56020
anti-GnRHR / GnRH Receptor antibody [F1G4]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [F1G4] recognizes GnRHR / GnRH Receptor
Tested Reactivity	Hu, Rat, Mk
Predict Reactivity	Pig, Rb
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	F1G4
Isotype	IgG1, kappa
Target Name	GnRHR / GnRH Receptor
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 1-29 of Human GnRHR. (MANSASPEQNQHCSAINNSIPLMQGNLPY)
Conjugation	Un-conjugated
Alternate Names	GRHR; HH7; LRHR; LHRHR; Gonadotropin-releasing hormone receptor; GnRH receptor; GNRHR1; GnRH-R

Application Instructions

Application table

Application	Dilution
FACS	0.5 - 1 µg/10^6 cells
ICC/IF	2 - 5 µg/ml
IHC-P	2 - 5 µg/ml
WB	1 - 2 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

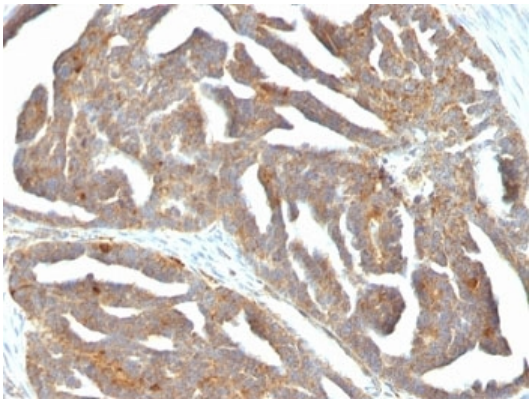
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide

Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 2798 Human GeneID: 81668 Rat Swiss-port # P30968 Human Swiss-port # P30969 Rat
Gene Symbol	GNRHR
Gene Full Name	gonadotropin-releasing hormone receptor
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. [provided by RefSeq, Jul 2008]
Function	Receptor for gonadotropin releasing hormone (GnRH) that mediates the action of GnRH to stimulate the secretion of the gonadotropic hormones luteinizing hormone (LH) and follicle-stimulating hormone (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. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Cytoplasmic

Images



ARG56020 anti-GnRHR / GnRH Receptor antibody [F1G4] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human ovarian carcinoma stained with ARG56020 anti-GnRHR / GnRH Receptor antibody [F1G4].