

## ARG62498 anti-GnRHR / GnRH Receptor antibody [B470]

Package: 100 µl

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [B470] recognizes GnRHR / GnRH Receptor
Tested Reactivity	Hu
Tested Application	IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	B470
Isotype	IgG1
Target Name	GnRHR / GnRH Receptor
Species	Human
Immunogen	BSA-conjugated peptide corresponding to aa. 1-29 (extracellular domain) of Human GnRHR.
Conjugation	Un-conjugated
Alternate Names	GRHR; HH7; LRHR; LHRHR; Gonadotropin-releasing hormone receptor; GnRH receptor; GNRHR1; GnRH-R

### Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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### Properties

Form	Liquid
Purification	Protein A affinity purified
Buffer	PBS (pH 7.2), 0.1% BSA and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	0.1% 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	<a href="#">GeneID: 2798 Human</a> <a href="#">Swiss-port # P30968 Human</a>
Gene Symbol	GNRHR
Gene Full Name	gonadotropin-releasing hormone receptor
Background	<p>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]</p>
Function	<p>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]</p>
Research Area	Neuroscience antibody
Calculated Mw	38 kDa