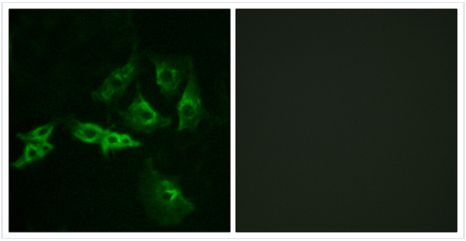
GNRHR Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	GNRHR, Antibody
Full Product Name	GNRHR Antibody
Product Gene Name	anti-GNRHR antibody
Product Synonym Names	Gonadotropin-releasing hormone receptor; GnRH receptor; GnRH-R; GNRHR; GRHR
Isotype	IgG
Host	Rabbit
Species Reactivity	Human (Identities=100%, Positives=100%) Mouse (Identities=85%, Positives=100%)
Form/Format	In phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	GNRHR antibody detects endogenous levels of total GNRHR protein.
Preparation and Storage	Store at-20 degree C for 1 year.
OMIM	138850
3D Structure	ModBase 3D Structure for P30968
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human GNRHR.
Product Categories/Family for anti-GNRHR antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GNRHR antibody	Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-GNRHR antibody	IF: 1:100~1:500 ELISA: 1:1000
Related Product Information for anti-GNRHR antibody	MBS854031 is an antibody targeting GNRHR. Also known as GNRHR Antibody. Reactive in Human (Identities=100%, Positives=100%) Mouse (Identities=85%, Positives=100%). Host: Rabbit.
Product References and Citations for anti-GNRHR antibody	Kakar S.S., Biochem. Biophys. Res. Commun. 189:289-295(1992). Chi L., Mol. Cell. Endocrinol. 91:R1-R6(1993) Kakar S.S., Mol. Cell. Endocrinol. 106:145-149(1994).
Other Notes	Small volumes of anti-GNRHR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-GNRHR antibody
Immunofluorescence analysis of A549 cells, using GNRHR antibody.Peptide: - / +

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNRHR. It may not necessarily be applicable to this product.

NCBI GI #	4504059
NCBI GeneID	2798
NCBI Accession #	NP_000397.1
UniProt Primary Accession #	P30968
UniProt Secondary Accession #	O75793; Q14D13; Q92644
UniProt Related Accession #	P30968
GenBank Nucleotide #	NM_000406.2
NCBI Official Full Name	gonadotropin-releasing hormone receptor isoform 1
NCBI Official Synonym Full Names	gonadotropin releasing hormone receptor
NCBI Official Symbol	GNRHR
NCBI Official Synonym Symbols	HH7; GRHR; LRHR; LHRHR; GNRHR1
UniProt Protein Name	Gonadotropin-releasing hormone receptor
Protein Family	Gonadotropin-releasing hormone receptor
UniProt Gene Name	GNRHR
UniProt Synonym Gene Names	GRHR; GnRH receptor; GnRH-R
NCBI Protein Information	gonadotropin-releasing hormone receptor
NCBI Summary for GNRHR	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]
UniProt Comments for GNRHR	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.
Research Articles on GNRHR	**1.** GNRHR (and GNRH) are expressed in trophoblast cell populations and fallopian tube epithelium at tubal ectopic pregnancy sites.

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