GNRH1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GNRH1, Polyclonal Antibody
Full Product Name	GNRH1 Conjugated Antibody
Product Gene Name	anti-GNRH1 antibody
Product Synonym Names	GRH; GNRH; HH12; LHRH; LNRH
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total GNRH1 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	10,380 Da
OMIM	152760
3D Structure	ModBase 3D Structure for P01148
Immunogen	Recombinant protein of human GNRH1.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-GNRH1 antibody	Most Applications
Application Notes for anti-GNRH1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-GNRH1 antibody	The protein encoded by this gene is secreted and then cleaved to form the 10 aa luteinizing hormone-releasing hormone (LHRH, also known as gonadoliberin-1), and prolactin release-inhibiting factor (also known as GnRH-associated peptide 1). LHRH stimulates the release of luteinizing and follicle stimulating hormones, which are important for reproduction. Mutation in this gene are associated with hypogonadotropic hypogonadism. Alternatively spliced transcript variants have been described for this gene.
Other Notes	Small volumes of anti-GNRH1 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.
Searchable Terms for GNRH1 purchase	MBS9444016 is an antibody targeting GNRH1. Also known as GNRH1 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNRH1. It may not necessarily be applicable to this product.

NCBI GI #	133908612
NCBI GeneID	2796
NCBI Accession #	NP_001076580.1
UniProt Primary Accession #	P01148
UniProt Secondary Accession #	A0AVP0
UniProt Related Accession #	P01148
GenBank Nucleotide #	NM_001083111.1
NCBI Official Full Name	progonadoliberin-1 isoform 2 preproprotein
NCBI Official Synonym Full Names	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)
NCBI Official Symbol	GNRH1
NCBI Official Synonym Symbols	GRH; GNRH; HH12; LHRH; LNRH
UniProt Protein Name	Progonadoliberin-1
UniProt Synonym Protein Names	Progonadoliberin ICleaved into the following 2 chains:Gonadoliberin-1Alternative name(s):Gonadoliberin I; Gonadorelin; Gonadotropin-releasing hormone I; GnRH-I; Luliberin I; Luteinizing hormone-releasing hormone I; LH-RH I
Protein Family	Progonadoliberin
UniProt Gene Name	GNRH1
UniProt Synonym Gene Names	GNRH; GRH; LHRH; GnRH-I; LH-RH I
UniProt Entry Name	GON1_HUMAN
NCBI Protein Information	progonadoliberin-1; GnRH-associated peptide 1; gonadotropin-releasing hormone 1 (leutinizing-releasing hormone); luliberin I; progonadoliberin I; prolactin release-inhibiting factor
UniProt Comments for GNRH1	GNRH1: Stimulates the secretion of gonadotropins; it stimulates the secretion of both luteinizing and follicle-stimulating hormones. Belongs to the GnRH family. Protein type: Hormone; Cell cycle regulation; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 8p21-p11.2 Cellular Component: extracellular space; extracellular region Molecular Function: hormone activity; luteinizing hormone-releasing factor activity Biological Process: negative regulation of cell proliferation; ovulation cycle; response to ethanol; cell-cell signaling; regulation of gene expression; multicellular organismal development; female pregnancy; signal transduction; negative regulation of apoptosis; response to corticosteroid stimulus Disease: Hypogonadotropic Hypogonadism 7 With Or Without Anosmia
Research Articles on GNRH1	**1.** Data indicate that the gene expression pattern is profoundly different between human chorionic gonadotropin (hCG) and gonadotropin-releasing hormone (GnRH) agonist.
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