# GNRH2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | GNRH2, Polyclonal Antibody |
| **Full Product Name** | GNRH2, ID (GNRH2, Progonadoliberin-2, Progonadoliberin II, Gonadoliberin-2, Gonadoliberin II, Gonadotropin-releasing hormone II, Luliberin II, Luteinizing hormone-releasing hormone II, GnRH-associated peptide 2, GnRH-associated peptide II) (MaxLight 490) |
| **Product Gene Name** | anti-GNRH2 antibody |
| **Product Synonym Names** | GNRH2; Progonadoliberin-2; Progonadoliberin II; Gonadoliberin-2; Gonadoliberin II; Gonadotropin-releasing hormone II; Luliberin II; Luteinizing hormone-releasing hormone II; GnRH-associated peptide 2; GnRH-associated peptide II |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human GNRH2. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 12,918 Da |
| **OMIM** | 602352 |
| **3D Structure** | ModBase 3D Structure for O43555 |
| **Immunogen** | Synthetic peptide corresponding to a portion of amino acids within aa26-53 from the central region of human GNRH2, conjugated to KLH. Cellular location: secreted. Tissue location: midbrain; expressed at signifigantly higher levels outside of the brain, particularly kidney, bone marrow and prostate. |
| **Conjugate** | MaxLight490 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-GNRH2 antibody** | Antibodies; Hormones; Steroids |
| **Applications Tested/Suitable for anti-GNRH2 antibody** | Flow Cytometry (FC/FACS), Western Blot (WB) |
| **Application Notes for anti-GNRH2 antibody** | FC/FACS: 1:10-1:50<br>WB: 1:1000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-GNRH2 antibody** | MBS6303134 is an antibody targeting GNRH2. Also known as GNRH2, ID (GNRH2, Progonadoliberin-2, Progonadoliberin II, Gonadoliberin-2, Gonadoliberin II, Gonadotropin-releasing hormone II, Luliberin II, Luteinizing hormone-releasing hormone II, GnRH-associated peptide 2, GnRH-associated peptide II) (MaxLight 490). Reactive in Human. Host: Rabbit. |

| | |
|---|---|
| **Product References and Citations for anti-GNRH2 antibody** | Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009). Poon, S.L., et al. Mol. Endocrinol. 23(10):1646-1656(2009). Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009). Palmieri, R.T., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3567-3572(2008). Poon, S.L., et al. Endocrinology 149(10):5162-5171(2008). |
| **Other Notes** | Small volumes of anti-GNRH2 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. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNRH2. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 4504057 |
| **NCBI GeneID** | 2797 |
| **NCBI Accession #** | NP_001492.1 |
| **UniProt Primary Accession #** | O43555 |
| **UniProt Secondary Accession #** | Q14C68; Q14C69; Q9BYN9; Q9BYP0 |
| **UniProt Related Accession #** | O43555 |
| **GenBank Nucleotide #** | NM_001501.1 |
| **NCBI Official Full Name** | progonadoliberin-2 isoform a preproprotein |
| **NCBI Official Synonym Full Names** | gonadotropin-releasing hormone 2 |
| **NCBI Official Symbol** | GNRH2 |
| **NCBI Official Synonym Symbols** | GnRH-II; LH-RHII |
| **UniProt Protein Name** | Progonadoliberin-2 |
| **UniProt Synonym Protein Names** | Progonadoliberin IICleaved into the following 2 chains:Gonadoliberin-2Alternative name(s):Gonadoliberin II; Gonadotropin-releasing hormone II; GnRH II; Luliberin II; Luteinizing hormone-releasing hormone II; LH-RH II |
| **Protein Family** | Progonadoliberin |
| **UniProt Gene Name** | GNRH2 |
| **UniProt Synonym Gene Names** | GnRH II; LH-RH II |
| **UniProt Entry Name** | GON2_HUMAN |
| **NCBI Protein Information** | progonadoliberin-2; luliberin II; progonadoliberin II; luteinizing hormone-releasing hormone II |
| **NCBI Summary for GNRH2** | The protein encoded by this gene is a preproprotein that is cleaved to form a secreted 10 aa peptide hormone. The secreted decapeptide regulates reproduction in females by stimulating the secretion of both luteinizing- and follicle-stimulating hormones. Three transcript variants that encode unique proproteins but the same peptide hormone have been found for this gene. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for GNRH2** | **Function:** Stimulates the secretion of gonadotropins; it stimulates the secretion of both luteinizing and follicle-stimulating hormones. |
| **Research Articles on GNRH2** | **1.** GnRHII expression correlated significantly with poor prognosis in breast cancer patients. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |

| | |
|---|---|
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/gnrh2/6303134