

**GNRH/LHRH Rabbit pAb**  
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**Catalog # AP93970****Specification****GNRH/LHRH Rabbit pAb - Product Information**

|                                |   |
|--------------------------------|---|
| Application                    | IHC-P, IHC-F, IF  |
| Primary Accession              | <a href="#">P01148</a>  |
| Reactivity                     | Human   |
| Host                           | Rabbit  |
| Clonality                      | Polyclonal  |
| Calculated MW                  | 1/8 KDa   |
| Physical State                 | Liquid  |
| Immunogen                      | KLH conjugated synthetic peptide derived from human LHRH/Gonadoliberin-1  |
| Epitope Specificity            | 24-33/92  |
| Isotype                        | IgG   |
| <b>Purity</b>                  |   |
| affinity purified by Protein A |   |
| Buffer                         | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.   |
| SUBCELLULAR LOCATION           | Secreted.   |
| SIMILARITY                     | Belongs to the GnRH family.   |
| DISEASE                        | Hypogonadotropic hypogonadism 12 with or without anosmia (HH12) [MIM:614841]: A disorder characterized by absent or incomplete sexual maturation by the age of 18 years, in conjunction with low levels of circulating gonadotropins and testosterone and no other abnormalities of the hypothalamic-pituitary axis. In some cases, it is associated with non-reproductive phenotypes, such as anosmia, cleft palate, and sensorineural hearing loss. Anosmia or hyposmia is related to the absence or hypoplasia of the olfactory bulbs and tracts. Hypogonadism is due to deficiency in gonadotropin-releasing hormone and probably results from a failure of embryonic migration of gonadotropin-releasing hormone-synthesizing neurons. In the presence of anosmia, idiopathic hypogonadotropic hypogonadism is referred to as Kallmann syndrome, whereas in the presence of a normal sense of smell, it has been termed normosmic idiopathic hypogonadotropic hypogonadism (nIHH). Note=The disease is |

**Important Note**

**caused by mutations affecting the gene represented in this entry.  
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

**Background Descriptions**

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. [provided by RefSeq, Jul 2012].

**GNRH/LHRH Rabbit pAb - Additional Information**

**Gene ID** 2796

**Other Names**

Progonadoliberin-1, Progonadoliberin I, Gonadoliberin-1, Gonadoliberin I, Gonadorelin, Gonadotropin-releasing hormone I, GnRH-I, Luliberin I, Luteinizing hormone-releasing hormone I, LH-RH I, GnRH-associated peptide 1, GnRH-associated peptide I, GNRH1, GNRH, GRH, LHRH

**Dilution**

IHC-P ~ N/A  
IHC-F ~ N/A  
IF ~ 1:50 ~ 200

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**GNRH/LHRH Rabbit pAb - Protein Information**

**Name** GNRH1

**Synonyms** GNRH, GRH, LHRH

**Function**

Stimulates the secretion of gonadotropins; it stimulates the secretion of both luteinizing and follicle-stimulating hormones.

**Cellular Location**

Secreted.

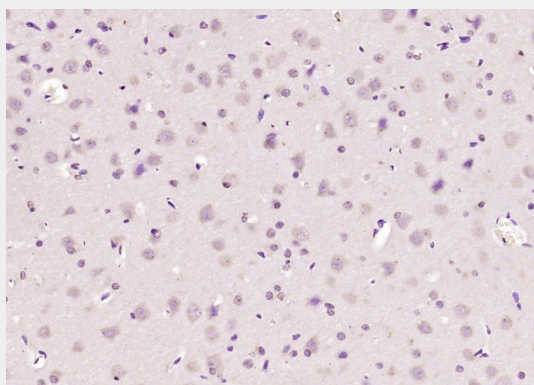
**GNRH/LHRH Rabbit pAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **GNRH/LHRH Rabbit pAb - Images**



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GNRH,LHRH) Polyclonal Antibody, Unconjugated (AP93970) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

#### **GNRH/LHRH Rabbit pAb - Background**

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