

## Product datasheet

# Anti-GnRH antibody ab16216

★★★★☆ [1 Abreviews](#) [2 References](#)

### Overview

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**Product name** Anti-GnRH antibody

**Description** Rabbit polyclonal to GnRH

**Host species** Rabbit

**Tested applications** **Suitable for:** IHC-Fr, IHC-P

**Species reactivity** **Reacts with:** Mouse

**Predicted to work with:** Rat 

**Immunogen** Synthetic peptide:

pyroEHWSYGLRPG

, corresponding to amino acids 22-31 of Mouse GnRH.

 [Run BLAST with](#)

 [Run BLAST with](#)

### General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

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**Form** Liquid

**Storage instructions** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer** Preservative: 0.05% Sodium azide  
Constituents: PBS, 0.1% BSA

**Purity** Immunogen affinity purified

**Clonality** Polyclonal

**Isotype** IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab16216 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

## Target

### Relevance

Gonadotropin releasing hormone (GnRH), also known as luteinizing hormone releasing hormone (LHRH), is a key molecule in the regulation of reproduction in vertebrates. GnRH, a decapeptide, is produced by neurons in the medial basal hypothalamus (MBH) and secreted in a pulsatile manner into the cardiovascular system. The frequency and amplitude of GnRH pulses determine secretion of follicle stimulating hormone (FSH) and luteinizing hormone (LH) from the pituitary. Higher frequencies (greater than one pulse per hour) stimulate LH secretion while lower frequencies stimulate FSH secretion. The generation of GnRH pulses is effected by numerous stimuli, such as neural, hormonal and environmental. Therefore, behavioral and physiological conditions such as sleep, exercise, and stress can affect the GnRH pulses and cause a disruption of the normal cycle. Recent studies show that GnRH also has a role in mediating cancer. GnRH has been shown to inhibit the growth of human uterine leiomyoma cells by suppressing proliferation and inducing apoptosis. GnRH analogs have been used to treat a wide variety of reproductive cancers, although the side effects of using such compounds are often quite severe.

### Cellular localization

Secreted

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
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- We investigate all quality concerns to ensure our products perform to the highest standards

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