

## Product datasheet

# Anti-GnRH antibody ab189878

[2 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-GnRH antibody
<b>Description</b>	Rabbit polyclonal to GnRH
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human GnRH aa 1 to the C-terminus. (Mature chain). Database link: <a href="#">P01148</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Recombinant Human GnRH protein.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab189878 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
WB		1/1000. Predicted molecular weight: 10 kDa.

## Target

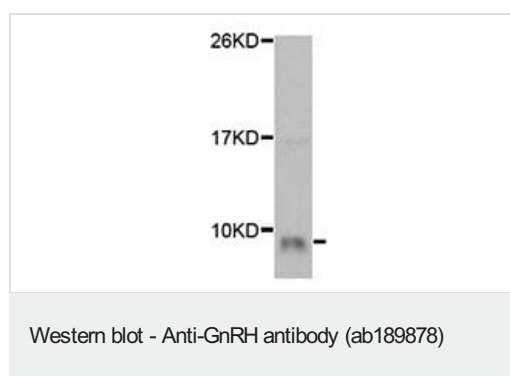
### Relevance

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

## Images



Anti-GnRH antibody (ab189878) at 1/500 dilution + Recombinant Human GnRH protein

**Predicted band size:** 10 kDa

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

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