



**POLYCLONAL ANTIBODY**

*For research use only. Not for clinical diagnosis.*

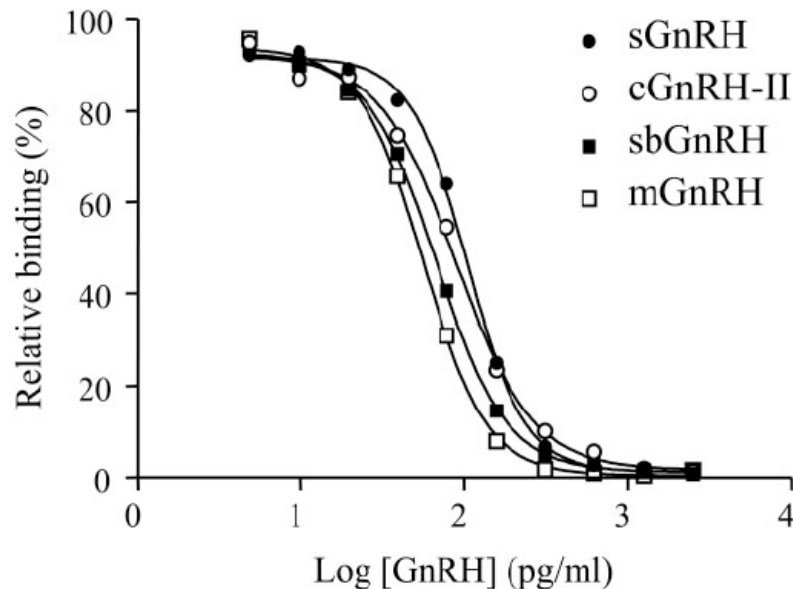
**Catalog No. KZ-HS-P03**

# Anti Chicken GnRH (Type II)

## BACKGROUND

Gonadotropin Releasing Hormone (GnRH), also known as Luteinizing-hormone-releasing-hormone (LHRH) and luteinizing hormone-releasing hormone (LHRH), is a tropic peptide hormone responsible for the release of follicle-stimulating hormone (FSH) and Luteinizing Hormone (LH) from the anterior pituitary. GnRH is synthesized and released from neurons within the hypothalamus. The peptide belongs to the gonadotropin-releasing hormone family.

<b>Product type</b>	Primary antibodies
<b>Host</b>	Rabbit
<b>Form</b>	Serum
<b>Volume</b>	50 $\mu$ l
<b>Antigen</b>	Synthetic chicken GnRH
<b>Cross reactivity</b>	Mammalian GnRH, chicken GnRH, Chicken GnRH II, Sam GnRH, most GnRH molecules
<b>Application notes</b>	Recommended dilutions  RIA : 1/100,000 - 1/400,000 IHC : 1/5,000 - 1/20,000 Neutralization : n/d



**Storage** Store below -20°C (below -70°C for prolonged storage).  
Aliquot to avoid cycles of freeze/thaw.

## References

- 1) Miyamoto K, Hasegawa Y, Nomura M, Igarashi M, Kangawa K & Matsuo H (1984) Identification of the second gonadotropin-releasing hormone in chicken hypothalamus : Evidence that gonadotropin secretion is probably controlled by two distinct gonadotropin-releasing hormones in avian species. Proc Natl Acad Sci USA 81: 3874– 3878
- 2) Amano M, Oka Y, Aida K, Okumoto N, Kawashima S & Hasegawa Y (1991) Immunocytochemical demonstration of salmon GnRH and chicken GnRH-II in the brain of masu salmon, *Oncorhynchus masou*. J Comp Neurol 314: 587-597.
- 3) Kobayashi M, Amano M, Kim MH, Furukawa K, Hasegawa Y & Aida K (1994) Gonadotropin releasing hormones of terminal nerve origin are not essential to ovarian development and ovulation in goldfish. Gen Com Endocrinol 95: 192-200
- 4) ISHIZAKI M, IIGO M, YAMAMOTO N, and OKA Y (2004) Different Modes of Gonadotropin-Releasing Hormone (GnRH) Release from Multiple GnRH Systems as Revealed by Radioimmunoassay Using Brain Slices of a Teleost, the Dwarf Gourami (*Colisa lalia*) Endocrinology 145: 2092–2103

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