

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

GnRH GA01 antibody

RRID:AB_2721114

Type: Antibody

Proper Citation

(Greg M. Anderson Lab; University of Otago; New Zealand Cat# GA01, RRID:AB_2721114)

Antibody Information

URL: http://antibodyregistry.org/AB_2721114

Proper Citation: (Greg M. Anderson Lab; University of Otago; New Zealand Cat# GA01, RRID:AB_2721114)

Target Antigen: GnRH precursor peptide

Host Organism: rabbit

Clonality: polyclonal

Comments: Rizwan MZ et al 2012 Endocrinology 153: 3770-3779 "Generation of new GnRH precursor peptide antisera (GA01 and GA02): GnRH precursor peptide antiserum was generated to a synthetic sequence corresponding to amino acids 23-39 of the mouse GnRH precursor peptide sequence (HWSYGLRPGGKRNTEHL) with Cys added to the N terminus and keyhole limpet hemocyanin as the conjugated carrier protein. This sequence, which overlaps with the sequence that encodes mature GnRH, was chosen based on predicted antigenicity. The antigen was mixed with Freund's complete adjuvant (Sigma-Aldrich, Inc., St Louis, MO) and injected into a New Zealand white rabbit (200 µg sc) and a guinea pig (100 µg sc). Three booster injections in Freund's incomplete adjuvant (Sigma-Aldrich) (rabbit: 100 µg sc; guinea pig: 50 µg sc) were administered at 2-weekly intervals. Two weeks after the final booster injection, the animals were exsanguinated, the serum harvested and sodium azide (0.1%) was added as a preservative. The rabbit and guinea pig antisera were designated GA01 and GA02 respectively."

Antibody Name: GnRH GA01 antibody

Description: This polyclonal targets GnRH precursor peptide

Target Organism: mouse

Defining Citation: [PMID:22691552](#)

Antibody ID: AB_2721114

Vendor: Greg M. Anderson Lab; University of Otago; New Zealand

Catalog Number: GA01

Record Creation Time: 20231110T033730+0000

Record Last Update: 20240725T062824+0000

Ratings and Alerts

No rating or validation information has been found for GnRH GA01 antibody.

No alerts have been found for GnRH GA01 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Clarkson J, et al. (2023) CRISPR-Cas9 knockdown of ESR1 in preoptic GABA-kisspeptin neurons suppresses the preovulatory surge and estrous cycles in female mice. *eLife*, 12.

Yip SH, et al. (2021) Indirect Suppression of Pulsatile LH Secretion by CRH Neurons in the Female Mouse. *Endocrinology*, 162(3).

Wang L, et al. (2020) Different dendritic domains of the GnRH neuron underlie the pulse and surge modes of GnRH secretion in female mice. *eLife*, 9.

Porteous R, et al. (2019) Genetic Deletion of Esr1 in the Mouse Preoptic Area Disrupts the LH Surge and Estrous Cyclicity. *Endocrinology*, 160(8), 1821.