

## **Product datasheet for TA302503**

# **GNRHR Goat Polyclonal Antibody**

**Product data:** 

**Product Type: Primary Antibodies** 

WB **Applications:** 

Recommended Dilution: ELISA: 1:32,000. WB: 0.5-1.5µg/ml.

Reactivity: Human (Expected from sequence similarity: Dog)

Host: Goat Isotype: lgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-QKWTQKKEKGK, from the internal region of the protein sequence

according to NP 000397.1; NP 001012781.1.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02%

sodium azide, pH7.3 with 0.5% bovine serum albumin.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

**Predicted Protein Size:** 41356 Da

Gene Name: gonadotropin releasing hormone receptor

**Database Link:** NP 000397

Entrez Gene 403718 DogEntrez Gene 2798 Human

P30968



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#### Background:

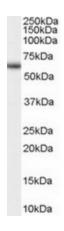
This gene encodes the receptor for type 1 gonadotropin-releasing hormone. This receptor is a member of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed on the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. Following binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ultimately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormone (FSH). Defects in this gene are a cause of hypogonadotropic hypogonadism (HH). Alternative splicing results in multiple transcript variants encoding different isoforms. More than 18 transcription initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified for this gene. [provided by RefSeq]

**Synonyms:** GNRHR1; GRHR; HH7; LHRHR; LRHR

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** GnRH signaling pathway, Neuroactive ligand-receptor interaction

### **Product images:**



TA302503 (0.5ug/ml) staining of Human Peripheral Blood Mononucleocyte lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.