

**PAA843Hu02****Polyclonal Antibody to Gonadotropin Releasing Hormone (GnRH)****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

**[ PRODUCT INFORMATION ]****Immunogen:** GnRH-OVA**Purification:** Affinity Chromatography.**Clonality:** Polyclonal**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Host:** Rabbit**Concentration:** 200µg/mL**Immunoglobulin Type:** IgG**UOM:** 100µg**[ IMMUNOGEN INFORMATION ]****Immunogen:** Synthetic Peptide, GnRH conjugated to OVA.**Accession No.:** CPA843Hu21**Sequence:** The target peptide sequence is listed below.

EHWSYGLRPG

**[ RELEVANCE ]**

Gonadotropin Releasing Hormone (GnRH), also known as Luteinizing-hormone-releasing hormone (LHRH) and luteinizing hormone releasing hormone (LHRH), is a trophic 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 gonadotropin-releasing hormone family. While GnRH has been synthesized and become available, its short half-life requires infusion pumps for its clinical use. Modifications of the

decapeptide structure of GnRH have led to GnRH1 analog medications that either stimulate (GnRH1 agonists) or suppress (GnRH antagonists) the gonadotropins.

### **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against GnRH. It has been selected for its ability to recognize GnRH in immunohistochemical staining and western blotting.

### **[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

### **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

### **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.