

# GNRHR Recombinant antibody

Catalog Number: 82847-1-RR

## Basic Information

**Catalog Number:**

82847-1-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000406

**GeneID (NCBI):**

2798

**UNIPROT ID:**

P30968

**Full Name:**

GnRH receptor

**Calculated MW:**

38 kDa

**Observed MW:**

~38 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

7E11

**Recommended Dilutions:**

WB 1:2000-1:10200

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse

**Positive Controls:**

WB : U-251 cells, MCF-7 cells, PC-3 cells, HEK-293 cells, mouse testis tissue

## Background Information

GNRHR, also named GRHR, belongs to the G-protein coupled receptor 1 family. GNRHR is a receptor for GnRH that mediates the action of GnRH to stimulate the secretion of the gonadotropic hormones luteinizing hormone (LH) and follicle-stimulating hormone (FSH). It mediates its action by association with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Isoform2 of GNRHR may act as an inhibitor of GnRH-R signaling. Defects in GNRHR are a cause of idiopathic hypogonadotropic hypogonadism (IHH). Defects in GNRHR are a cause of fertile eunuch syndrome. The predicted unmodified molecular weight of the human GNRHR is ~38 kDa, the larger band (50-65 kDa) is likely to represent a glycosylated form of GNRHR.

## Storage

**Storage:**

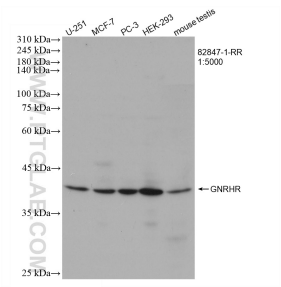
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82847-1-RR (GNRHR antibody) at dilution of 1:5100 incubated at room temperature for 1.5 hours.