

For Research Use Only

# 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

For technical support and original validation data for this product please contact:

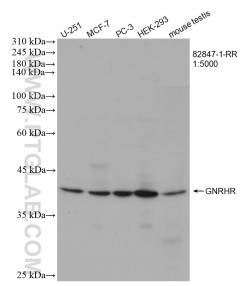
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## 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.