

## Anti-GNRHR antibody

<b>Cat. No.</b>	ml160462
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-GNRHR rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthetic peptide of human GNRHR
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.3 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	GNRHR
<b>Full name</b>	gonadotropin-releasing hormone receptor
<b>Synonyms</b>	HH7, GRHR, LRHR, LHRHR, GNRHR1
<b>Swissprot</b>	P30968

### Target 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.

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#### Applications

##### Western blotting

Predicted band size: 28 kDa

Positive control: 231 cells and mouse testis tissue

Recommended dilution: 500-2000

Gel: 10% SDS-PAGE

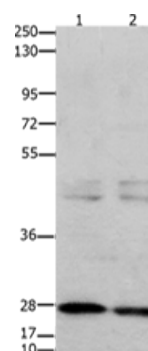
Lysate: 40 µg

Lane 1-2: 231 cells, mouse testis tissue

Primary antibody: ml160462(GNRHR Antibody) at dilution 1/650

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 7 seconds



##### ELISA

Recommended dilution: 1000-5000

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