

GNRHR Antibody

Catalog No: #31212

Package Size: #31212-1 50ul #31212-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	GNRHR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total GNRHR protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 62-75 amino acids of Human gonadotropin-releasing hormone receptor
Target Name	GNRHR
Other Names	gonadotropin-releasing hormone receptor, HH7, GRHR, LRHR, LHRHR, GNRHR2
Accession No.	Genbank No.: NP_000397
Formulation	Supplied at 4.7mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

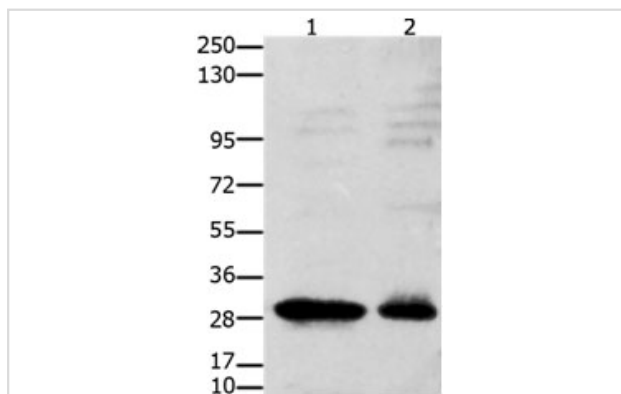
Predicted MW: 28kd

ELISA: 1:1000-1:10000

Western blotting: 1:2000-1:5000

Immunohistochemistry: 1:150-1:500

Images



Gel: 10%SDS-PAGE

Lane1: 231 cell lysate

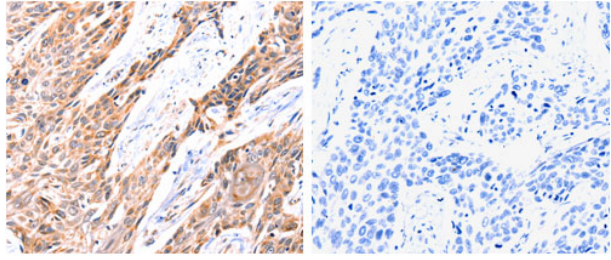
Lane2: Mouse testis tissue lysate

Lysates: 40 ug per lane

Primary antibody: 1/2350 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 25 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 31212 (GNRHR Antibody) at dilution 1/117, on the right is treated with the synthetic peptide.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.