Product Datasheet

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	ELISA 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.	Swiss-Prot:P30968Gene ID:2798;
Uniprot	P30968
GeneID	2798;
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

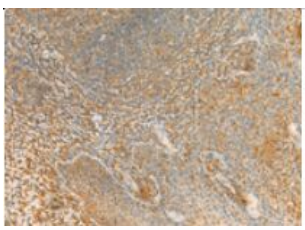
Predicted MW: 38kd

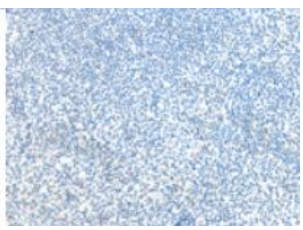
ELISA: 1:5000-1:10000

Western blotting: 1:500-1:2000

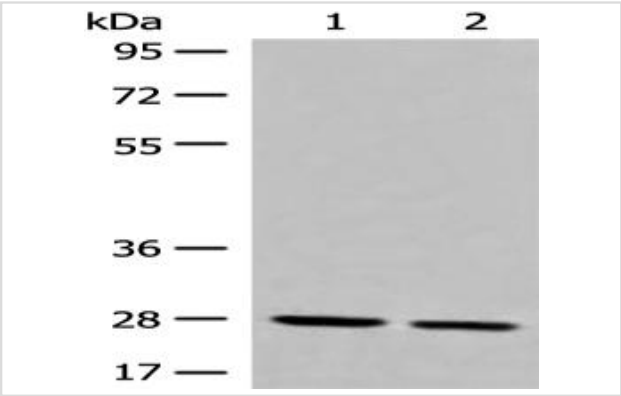
Immunohistochemistry: 1:50-1:300

Images





The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using GNRHR Antibody at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: Γ 200)



Gel: 8%SDS-PAGE
Lysate: 40 ΞOg
Lane 1-2: PC-3 and LOVO cell lysates
Primary antibody: GNRHR Antibody at dilution 1/500
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 3 seconds

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