

GNRHR Polyclonal antibody

Catalog Number: 22462-1-AP

Basic Information

Catalog Number: 22462-1-AP	GenBank Accession Number: BC113546	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2798	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P30968	
Isotype: IgG	Full Name: GnRH receptor	
Immunogen Catalog Number: AG18005	Calculated MW: 328 aa, 38 kDa	
	Observed MW: 60 kDa, 50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse ovary tissue, mouse testis tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human testis tissue, rat testis tissue, mouse testis tissue, human pituitary adenoma 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 antibody only recognizes the isoform1 of GNRHR. 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

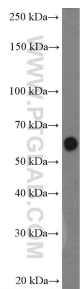
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

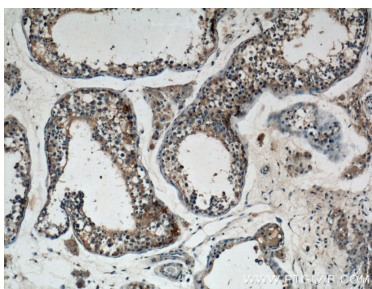
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

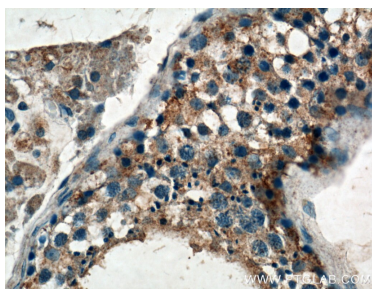
Selected Validation Data



mouse ovary tissue were subjected to SDS PAGE followed by western blot with 22462-1-AP (GNRHR Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 22462-1-AP (GNRHR Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 22462-1-AP (GNRHR Antibody) at dilution of 1:200 (under 40x lens).