

For Research Use Only

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: 150 µg/ml	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:
IHC, WB, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse ovary tissue, mouse testis tissue

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

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

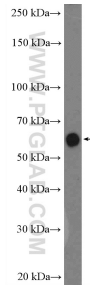
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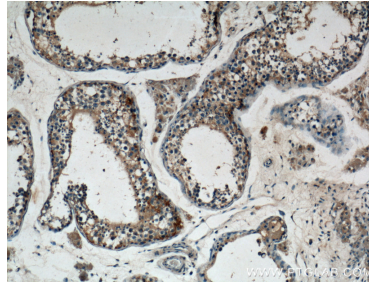
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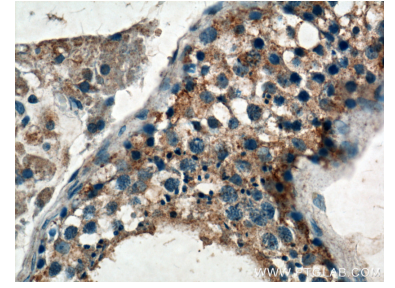
Selected Validation Data



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).