



GnRH-R rabbit pAb

Cat No.:ES5571

For research use only

Overview

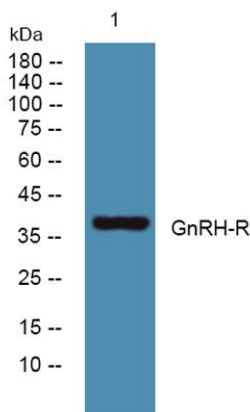
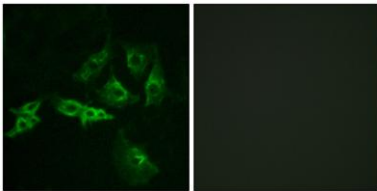
Product Name	GnRH-R rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GNRHR. AA range:41-90
Specificity	GnRH-R Polyclonal Antibody detects endogenous levels of GnRH-R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Gonadotropin-releasing hormone receptor
Gene Name	GNRHR
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	37kD
Human Gene ID	2798
Human Swiss-Prot Number	P30968
Alternative Names	GNRHR; GRHR; Gonadotropin-releasing hormone receptor; GnRH receptor; GnRH-R
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 gen

Immunofluorescence analysis of A549 cells, using GNRHR Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night

