

Rat Prolactin-releasing peptide receptor (PRLHR) ELISA Kit

Catalog No: #EK8223

Orders: order@signalwayantibody.com

Package Size: #EK8223-1 48T #EK8223-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Prolactin-releasing peptide receptor (PRLHR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	GPR10; GR3; MGC126539; MGC126541; PrRPR; G protein-coupled receptor 10 OTTHUMP00000020584 prolactin releasing peptide receptor prolactin-releasing hormone receptor
Accession No.	Q64121
Uniprot	Q64121
GeneID	246075;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PRLHR in samples. An antibody specific for PRLHR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRLHR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRLHR is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRLHR bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The prolactin-releasing hormone receptor (PRRP) is a G-protein coupled receptor that binds the prolactin releasing hormone.PRLHR is a 7-transmembrane domain receptor for prolactin-releasing hormone that is highly expressed in anterior pituitary

By screening a placenta genomic DNA library, followed by 5-prime and 3-prime RACE of pituitary and adenoma cDNA libraries, Ozawa et al. (2002) isolated a full-length cDNA encoding PRLHR, which they called PRRPR. They identified multiple transcription start sites. The predicted 370-amino acid protein contains 7 hydrophobic regions. Northern blot analysis revealed expression of a 2.2-kb transcript in pituitary adenomas.

Note: This product is for in vitro research use only