Human Relaxin-3 receptor 1 (RXFP3) ELISA Kit

Catalog No: #EK7495

Package Size: #EK7495-1 48T #EK7495-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Relaxin-3 receptor 1 (RXFP3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	GPCR135; MGC141998; MGC142000; RLN3R1; RXFPR3; SALPR; G-protein coupled receptor SALPR|relaxin 3 receptor 1|relaxin family peptide receptor 3|somatostatin and angiotensin-like peptide receptor
Accession No.	Q9NSD7
Uniprot	Q9NSD7
GeneID	51289;
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:0.156-10 ng/mL

Sensitivity:0.064 ng/mL

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 RXFP3 in samples. An antibody specific for RXFP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRXFP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RXFP3 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 RXFP3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The deduced 469-amino acid protein has the characteristic 7-transmembrane domain structure of a G protein-coupled receptor, as well as 2 putative N-glycosylation sites in its N-terminal domain. SALPR shares highest sequence similarity with somatostatin receptors and angiotensin receptors. SALPR expression was not detected by Northern blot analysis. RT-PCR detected SALPR expression predominantly in brain, with highest expression in substantia nigra and pituitary, followed by hippocampus, spinal cord, amygdala, caudate nucleus, and corpus callosum; expression was very low in cerebellum. In peripheral tissues, relatively high expression was detected in adrenal gland, and low expression was detected in pancreas, salivary gland, placenta, mammary gland, and testis. Little to no expression was detected in other tissues examined.

Note: This product is for in vitro research use only