

Rat Regulator of G-protein signaling 6 (RGS6) ELISA Kit

Catalog No: #EK7525

Orders: order@signalwayantibody.com

Package Size: #EK7525-1 48T #EK7525-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Regulator of G-protein signaling 6 (RGS6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	DKFZp313G1241; FLJ43552; GAP; MGC142132; G protein signaling 6 regulator GTPase activating protein H_DJ0283M22.1 H_DJ1108A12.1 WUGSC:H_DJ0283M22.1 WUGSC:H_DJ1108A12.1 regulator of G protein signalin
Accession No.	P49801
Uniprot	P49801
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:0.312-20 ng/mL

Sensitivity:0.118 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 RGS6 in samples. An antibody specific for RGS6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRGS6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RGS6 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 RGS6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Members of the RGS (regulator of G protein signaling) family have been shown to modulate the functioning of G proteins by activating the intrinsic GTPase activity of the alpha (guanine nucleotide-binding) subunits.

RGS6, The predicted 472-amino acid protein has a calculated molecular mass of 54.4 kD. It contains an N-terminal dishevelled /egl10/pleckstrin (DEP) domain, a central G protein gamma subunit (GNG2)-like (GGL) domain, and an RGS domain near the C terminus. The variants encode proteins with long or short N-terminal domains, complete or incomplete GGL domains, 7 distinct C-terminal domains, and a common internal domain that includes the RGS domain.

Note: This product is for in vitro research use only