Mouse Neurabin-2 (PPP1R9B) ELISA Kit

Catalog No: #EK8358

Package Size: #EK8358-1 48T #EK8358-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Neurabin-2 (PPP1R9B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ30345; PPP1R6; PPP1R9; SPINO; Spn; Neurabin-2|neurabin II|protein phosphatase 1; regulatory subunit 9B|protein phosphatase 1; regulatory subunit 9B; spinophilin|spinophilin
Accession No.	Q6R891
Uniprot	Q6R891
GeneID	217124;
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:46.88-3000 pg/mL

Sensitivity:11.72 pg/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 PPP1R9B in samples. An antibody specific for PPP1R9B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPP1R9B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPP1R9B 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 PPP1R9B bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Spinophilin is a regulatory subunit of protein phosphatase-1 catalytic subunit (PP1) and is highly enriched in dendritic spines, specialized protrusions from dendritic shafts that receive most of the excitatory input in the central nervous system.To identify proteins that interact with the ARF protein encoded by the CDKN2A gene, Vivo et al. (2001) used a yeast 2-hybrid screen of a human brain cDNA library with an ARF fusion construct as bait. By database searching with the identified clones, they reconstructed a full-length cDNA of human spinophilin. The deduced 813-amino acid protein shares 95% sequence identity with the rat homolog and contains an F-actin binding domain, a PP1C binding site, a PDZ domain, and a myosin-like left-handed alpha helix.

Note: This product is for in vitro research use only