Mouse Synaptojanin-2 (SYNJ2) ELISA Kit

Catalog No: #EK6759

Package Size: #EK6759-1 48T #EK6759-2 96T

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

Description

Product Name	Mouse Synaptojanin-2 (SYNJ2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP11-266C7.2; INPP5H; KIAA0348; MGC44422; inositol phosphate 5 -phosphatase 2 (synaptojanin 2)
Accession No.	Q9D2G5
Uniprot	Q9D2G5
GeneID	20975;
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 SYNJ2 in samples. An antibody specific for SYNJ2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySYNJ2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNJ2 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 SYNJ2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Synaptojanin-2 is a ubiquitously expressed inositol polyphosphate 5-phosphatase. The longest deduced protein, designated Synj2-alpha, contains 1,216 amino acids and has a calculated molecular mass of 140 kD. Synj2 contains an N-terminal Sac1 (SACM1L) homology domain, a central inositol 5-prime-phosphatase domain, and a C-terminal proline-rich region. Synj2 variants arise from the use of 2 possible initiation sites and at least 6 different exons encoding C-terminal domains. Initiation from the alternative start sites results in isoforms that vary in the presence of 84 amino acids in the N-terminal part of the Sac1 homology domain. Database analysis indicated the presence of a third putative initiation site in human SYNJ2, resulting in a protein that lacks most of the Sac1 homology domain.

Note: This product is for in vitro research use only