

Human Ras GTPase-activating protein SynGAP (SYNGAP1) ELISA Kit



Catalog No: #EK6739

Orders: order@signalwayantibody.com

Package Size: #EK6739-1 48T #EK6739-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Ras GTPase-activating protein SynGAP (SYNGAP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DASS-97D12.6; DKFZp761G1421; KIAA1938; MRD5; RASA1; RASA5; SYNGAP; Ras GTPase-activating protein SynGAP neuronal RasGAP synaptic Ras GTPase activating protein 1 synaptic Ras GTPase activating protei
Accession No.	Q96PV0
Uniprot	Q96PV0
GeneID	8831;
Storage	<p>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.</p> <p>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).</p>

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 SYNGAP1 in samples. An antibody specific for SYNGAP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySYNGAP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNGAP1 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 SYNGAP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SYNGAP1 is a ras GTPase-activating protein that is critical for cognition and synapse function. Mutations in humans cause mental retardation.

Several mutations in the SYNGAP1 gene were identified as the cause of mental retardation. Mental retardation is sometimes associated with syndromes of other defects caused by the same gene, but SYNGAP1-associated mental retardation is not; it is therefore called non-syndromic mental retardation. Since neither of the parents of children with this condition have the mutation, this means it was a sporadic mutation that occurred during

division of the parents' gametes (meiosis) or fertilization of the egg. It is a dominant mutation, which means that the individual will be retarded if only one allele is mutated.

Note: This product is for in vitro research use only