

Human Ras GTPase-Activating Protein SynGAP (SYNGAP1) ELISA Kit | SYNGAP1 elisa kit

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CATALOG #
AAA330631

REACTIVITY
Human

PRODUCT SYNONYMS

Ras GTPase-Activating Protein SynGAP (SYNGAP1); Human Ras GTPase-Activating Protein SynGAP (SYNGAP1) ELISA Kit; SYNGAP1; 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; SYNGAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ras GTPase-activating protein SynGAP (SYNGAP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNGAP1. No significant cross-reactivity or interference between Human SYNGAP1 and analogues was observed.
Sequence Length	1343
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	15 pg/mL - 240 pg/mL
Sensitivity	< 1 pg/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SYNGAP1 elisa kit	Background: SYNGAP1 is a gene that encodes the cytosolic protein SYNGAP1 (SYNaptic GTPase Activating Protein), an essential component of the postsynaptic density at excitatory glutamatergic neurons. SYNGAP1 plays critical roles in synaptic development, structure, function, and plasticity. Principle of the Assay: Human Ras GTPase-activating protein SynGAP (SYNGAP1) ELISA Kit 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 any SYNGAP1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human SYNGAP1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150421676
NCBI GeneID	8831
UniProt Accession #	Q96PV0
NCBI Official Full Name	Ras/Rap GTPase-activating protein SynGAP
NCBI Official Synonym Full Names	synaptic Ras GTPase activating protein 1
NCBI Official Symbol	SYNGAP1
NCBI Official Synonym Symbols	MRD5; RASA1; RASA5; SYNGAP
NCBI Protein Information	ras/Rap GTPase-activating protein SynGAP
UniProt Protein Name	Ras/Rap GTPase-activating protein SynGAP
UniProt Gene Name	SYNGAP1
UniProt Synonym Gene Names	KIAA1938; Synaptic Ras-GAP 1
UniProt Entry Name	SYGP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.