

Human Synaptogyrin-2 (SYNGR2) ELISA Kit | SYNGR2 elisa kit

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CATALOG #
AAA330633

REACTIVITY
Human

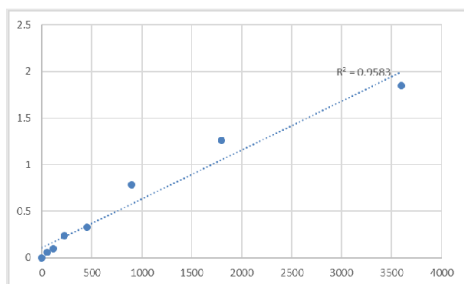
PRODUCT SYNONYMS

Synaptogyrin-2 (SYNGR2); Human Synaptogyrin-2 (SYNGR2) ELISA Kit; SYNGR2; MGC102914; cellugyrin; SYNGR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Synaptogyrin-2 (SYNGR2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNGR2. No significant cross-reactivity or interference between Human SYNGR2 and analogues was observed.
Sequence Length	275
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Synaptogyrin-2 (SYNGR2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYNGR2 elisa kit	Description: This Human Synaptogyrin-2 (SYNGR2) ELISA Kit employs a two-site sandwich ELISA to quantitate SYNGR2 in samples. An antibody specific for SYNGR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYNGR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNGR2 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 SYNGR2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SYNGR2 encodes an integral membrane protein containing four transmembrane regions and a C-terminal cytoplasmic tail that is tyrosine phosphorylated. The exact function of this protein is unclear, but studies of a similar rat protein suggest that it may play a role in regulating membrane traffic in non-neuronal cells. The gene belongs to the synaptogyrin gene family. Subcellular fractionation of rat brain cells indicated that both synaptogyrin and cellugyrin are associated with microsomes; however, only synaptogyrin is found in synaptic vesicles. The authors suggested that synaptogyrin is a specialized version of the ubiquitous cellugyrin, supporting the concept that synaptic vesicles are a simplified and specialized form of a generic trafficking organelle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77415432
NCBI GeneID	9144
UniProt Accession #	O43760
NCBI Official Full Name	SYNGR2 protein
NCBI Official Synonym Full Names	synaptogyrin 2
NCBI Official Symbol	SYNGR2
NCBI Protein Information	synaptogyrin-2
UniProt Protein Name	Synaptogyrin-2
UniProt Gene Name	SYNGR2
UniProt Entry Name	SNG2_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.