

Human Spartin (SPG20) ELISA Kit | SPG20 elisa kit

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CATALOG #
AAA330746

REACTIVITY
Human

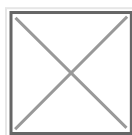
PRODUCT SYNONYMS

Spartin (SPG20); Human Spartin (SPG20) ELISA Kit; SPG20; KIAA0610; SPARTIN; TAHCCP1; spartin; trans-activated by hepatitis C virus core protein 1; SPG20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Spartin (SPG20) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPG20. No significant cross-reactivity or interference between Human SPG20 and analogues was observed.
Sequence Length	666
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 Spartin (SPG20) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPG20 elisa kit	Description: This Human Spartin (SPG20) ELISA Kit employs a two-site sandwich ELISA to quantitate SPG20 in samples. An antibody specific for SPG20 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPG20 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPG20 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 SPG20 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Spartin (SPG20) encodes a protein containing a MIT (Microtubule Interacting and Trafficking molecule) domain, and is implicated in regulating endosomal trafficking and mitochondria function. The protein localizes to mitochondria and partially co-localizes with microtubules. Stimulation with epidermal growth factor (EGF) results in protein translocation to the plasma membrane, and the protein functions in the degradation and intracellular trafficking of EGF receptor. Multiple alternatively spliced variants, encoding the same protein, have been identified. Mutations associated with this gene cause autosomal recessive spastic paraplegia 20 (Troyer syndrome).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214830187
NCBI GeneID	23111
NCBI Accession #	NP_001135768.1
NCBI GenBank Nucleotide #	NP_001135768.1
UniProt Accession #	Q8N0X7
NCBI Official Full Name	spartin
NCBI Official Synonym Full Names	spartin
NCBI Official Symbol	SPART
NCBI Official Synonym Symbols	SPG20; TAHCCP1
NCBI Protein Information	spartin
UniProt Protein Name	Spartin
UniProt Gene Name	SPG20
UniProt Synonym Gene Names	KIAA0610; TAHCCP1
UniProt Entry Name	SPG20_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.