

Human Spindlin-1 (SPIN1) ELISA Kit | SPIN1 elisa kit

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CATALOG #
AAA330736

REACTIVITY
Human

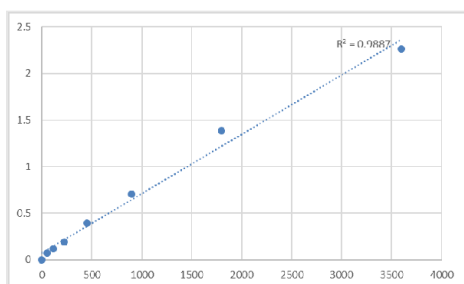
PRODUCT SYNONYMS

Spindlin-1 (SPIN1); Human Spindlin-1 (SPIN1) ELISA Kit; SPIN1; SPIN; spindlin; SPIN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Spindlin-1 (SPIN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPIN1. No significant cross-reactivity or interference between Human SPIN1 and analogues was observed.
Sequence Length	262
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 Spindlin-1 (SPIN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPIN1 elisa kit	Description: This Human Spindlin-1 (SPIN1) ELISA Kit employs a two-site sandwich ELISA to quantitate SPIN1 in samples. An antibody specific for SPIN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPIN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPIN1 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 SPIN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Spindlin-1 (SPIN1) is a chromatin reader that specifically recognizes and binds histone H3 both trimethylated at 'Lys-4' and asymmetrically dimethylated at 'Arg-8' (H3K4me3 and H3R8me2a) and acts as an activator of Wnt signaling pathway downstream of PRMT2. In case of cancer, promotes cell cancer proliferation via activation of the Wnt signaling pathway (PubMed:24589551). Overexpression induces metaphase arrest and chromosomal instability. Localizes to active rDNA loci and promotes the expression of rRNA genes. May play a role in cell-cycle regulation during the transition from gamete to embryo. Involved in oocyte meiotic resumption, a process that takes place before ovulation to resume meiosis of oocytes blocked in prophase I: may act by regulating maternal transcripts to control meiotic resumption.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112293285
NCBI GeneID	10927
NCBI Accession #	NP_006708.2
NCBI GenBank Nucleotide #	NP_006708.2
UniProt Accession #	Q9Y657
NCBI Official Full Name	spindlin-1
NCBI Official Synonym Full Names	spindlin 1
NCBI Official Symbol	SPIN1
NCBI Official Synonym Symbols	SPIN; TDRD24
NCBI Protein Information	spindlin-1
UniProt Protein Name	Spindlin-1
UniProt Gene Name	SPIN1
UniProt Synonym Gene Names	OCR; SPIN
UniProt Entry Name	SPIN1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/spindlin-1-spin1/330736>