

Human Replication Initiator 1 (REPIN1) ELISA Kit | REPIN1 elisa kit

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CATALOG #
AAA331003

REACTIVITY
Human

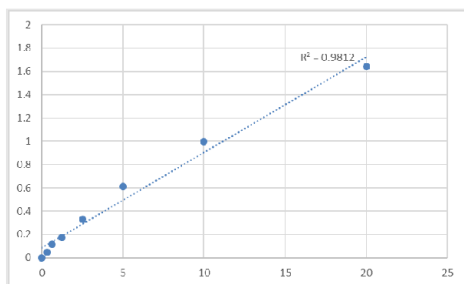
PRODUCT SYNONYMS

Replication Initiator 1 (REPIN1); Human Replication Initiator 1 (REPIN1) ELISA Kit; REPIN1; AP4; RIP60; ZNF464; Zfp464; H_DJ0584D14.12; replication initiation region protein (60kD); zinc finger protein 464 (RIP60); zinc finger protein AP4; zinc finger proten AP4; REPIN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Replication initiator 1 (REPIN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human REPIN1. No significant cross-reactivity or interference between Human REPIN1 and analogues was observed.
Sequence Length	624
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 Replication initiator 1 (REPIN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for REPIN1 elisa kit	Description: This Human Replication initiator 1 (REPIN1) ELISA Kit employs a two-site sandwich ELISA to quantitate REPIN1 in samples. An antibody specific for REPIN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any REPIN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for REPIN1 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 REPIN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Replication initiator 1 is a protein encoded by the REPIN1 gene. Homodimers of RIP60 (replication initiation-region protein 60 kDA) purified from nuclear extract bind two ATT-rich sites in oribeta and foster the formation of a twisted 720 bp DNA loop in vitro. RIP60 contains 15 C(2)H(2)zinc finger (ZF) DNA binding motifs organized in three clusters, termed hand Z1 (ZFs 1-5), hand Z2 (ZFs 6-8) and hand Z3 (ZFs 9-15). A proline-rich region is located between hands Z2 and Z3. Gel mobility shift and DNase I footprinting experiments show hands Z1 and Z2 independently bind the oribeta RIP60 sites specifically, but with different affinities. Hand Z3 binds DNA, but displays no specificity for RIP60 sites.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153792647
NCBI GeneID	29803
NCBI Accession #	NP_001093165.1
NCBI GenBank Nucleotide #	NP_001093165.1
UniProt Accession #	Q9BWE0
NCBI Official Full Name	replication initiator 1 isoform 3
NCBI Official Synonym Full Names	replication initiator 1
NCBI Official Symbol	REPIN1
NCBI Official Synonym Symbols	AP4; RIP60; ZNF464; Zfp464
NCBI Protein Information	replication initiator 1
UniProt Protein Name	Replication initiator 1
UniProt Gene Name	REPIN1
UniProt Synonym Gene Names	RIP60; ZNF464

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.