

Human TERF1-Interacting Nuclear Factor 2 (TINF2) ELISA Kit | TINF2 elisa kit

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CATALOG #
AAA330541

REACTIVITY
Human

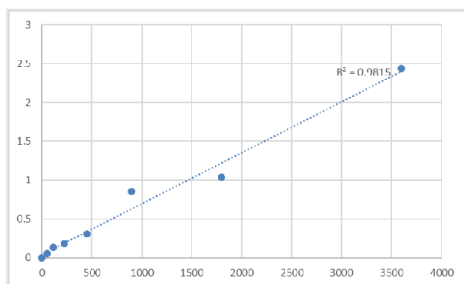
PRODUCT SYNONYMS

TERF1-Interacting Nuclear Factor 2 (TINF2); Human TERF1-Interacting Nuclear Factor 2 (TINF2) ELISA Kit; TINF2; TIN2; TIN2L; (TRF1)-interacting nuclear factor 2 variant 1; TINF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human TERF1-interacting nuclear factor 2 (TINF2) ELISA Kit has high sensitivity and excellent specificity for detection of Human TINF2. No significant cross-reactivity or interference between Human TINF2 and analogues was observed.
Sequence Length	451
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 TERF1-interacting nuclear factor 2 (TINF2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TINF2 elisa kit	Description: This Human TERF1-interacting nuclear factor 2 (TINF2) ELISA Kit employs a two-site sandwich ELISA to quantitate TINF2 in samples. An antibody specific for TINF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TINF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TINF2 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 TINF2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TINF2 encodes one of the proteins of the shelterin, or telosome, complex which protects telomeres by allowing the cell to distinguish between telomeres and regions of DNA damage. The protein encoded by this gene is a critical part of shelterin; it interacts with the three DNA-binding proteins of the shelterin complex, and it is important for assembly of the complex. Mutations in this gene cause dyskeratosis congenita (DKC), an inherited bone marrow failure syndrome. The TIN2 open reading frame encoded a protein of 354 amino acids. A wide variety of human tissues and cell types expressed a 2.4-kb TIN2 transcript on Northern blot analysis, and expression did not vary with growth state, immortalization, or transformation. TIN2 interacted with TRF1 in vitro and in cells, and colocalized with TRF1 in nuclei and metaphase chromosomes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	151101266
NCBI GeneID	26277
NCBI Accession #	NP_001092744.1
NCBI GenBank Nucleotide #	NP_001092744.1
UniProt Accession #	Q9BSI4
NCBI Official Full Name	TERF1-interacting nuclear factor 2 isoform 1
NCBI Official Synonym Full Names	TERF1 interacting nuclear factor 2
NCBI Official Symbol	TINF2
NCBI Official Synonym Symbols	TIN2; DKCA3
NCBI Protein Information	TERF1-interacting nuclear factor 2
UniProt Protein Name	TERF1-interacting nuclear factor 2
UniProt Gene Name	TINF2
UniProt Synonym Gene Names	TIN2
UniProt Entry Name	TINF2_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.