

Human Tankyrase-1 (TNKS) ELISA Kit | TNKS elisa kit

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CATALOG #
AAA330416

REACTIVITY
Human

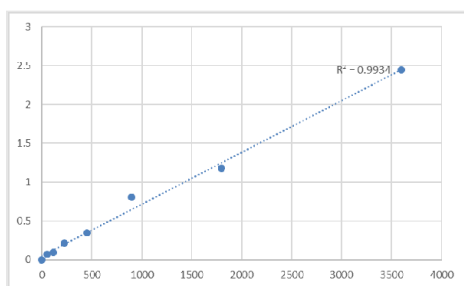
PRODUCT SYNONYMS

Tankyrase-1 (TNKS); Human Tankyrase-1 (TNKS) ELISA Kit; TNKS; PARP-5a; PARP5A; PARPL; TIN1; TINF1; TNKS1; TNKS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tankyrase-1 (TNKS) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNKS. No significant cross-reactivity or interference between Human TNKS and analogues was observed.
Sequence Length	1327
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 Tankyrase-1 (TNKS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNKS elisa kit	Description: This Human Tankyrase-1 (TNKS) ELISA Kit employs a two-site sandwich ELISA to quantitate TNKS in samples. An antibody specific for TNKS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNKS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNKS 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 TNKS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tankyrase 1, a human telomeric poly(ADP-ribose) polymerase, was originally identified through its interaction with TRF1, a negative regulator of telomere length. Tankyrase 1 ADP-ribosylates TRF1 in vitro, and its overexpression induces telomere elongation in human cancer cells. Surprisingly, dissection of this domain reveals multiple discrete and overlapping binding sites for TRF1 and TAB182. Five well conserved ankyrin repeat clusters in tankyrase 1. Although each of the five ankyrin repeat clusters independently binds to TRF1, only three of the five bind to TAB182. These findings suggest that tankyrase 1 may act as a scaffold for large molecular mass complexes made up of multiple binding proteins. Potential roles for tankyrase 1-mediated higher order complexes at telomeres and at other subcellular sites.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226693566
NCBI GeneID	8658
UniProt Accession #	O95271
NCBI Official Full Name	Poly
NCBI Official Synonym Full Names	tankyrase
NCBI Official Symbol	TNKS
NCBI Official Synonym Symbols	TIN1; ARTD5; PARPL; TINF1; TNKS1; pART5; PARP5A; PARP-5a
NCBI Protein Information	poly [ADP-ribose] polymerase tankyrase-1; tankyrase-1
UniProt Protein Name	Tankyrase-1
UniProt Gene Name	TNKS
UniProt Synonym Gene Names	PARP5A; PARPL; TIN1; TINF1; TNKS1; TANK1; ARTD5
UniProt Entry Name	TNKS1_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/tankyrase-1-tnks/330416>