

Human Tankyrase-2 (TNKS2) ELISA Kit | TNKS2 elisa kit

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CATALOG #
AAA330414

REACTIVITY
Human

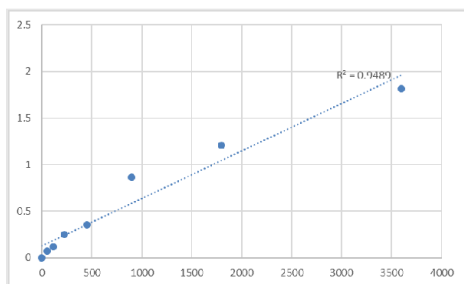
PRODUCT SYNONYMS

Tankyrase-2 (TNKS2); Human Tankyrase-2 (TNKS2) ELISA Kit; TNKS2; PARP-5b; PARP-5c; PARP5B; PARP5C; TANK2; TNKL; tankyrase 2; TNKS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tankyrase-2 (TNKS2) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNKS2. No significant cross-reactivity or interference between Human TNKS2 and analogues was observed.
Sequence Length	1166
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-2 (TNKS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNKS2 elisa kit	Description: This Human Tankyrase-2 (TNKS2) ELISA Kit employs a two-site sandwich ELISA to quantitate TNKS2 in samples. An antibody specific for TNKS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNKS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNKS2 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 TNKS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The poly(ADP-ribose) polymerase (PARP) tankyrase-1 contains an ankyrin-repeat domain that binds to various partners, including the telomeric protein TRF1 (telomere-repeat-binding factor 1) and the vesicular protein IRAP (insulin-responsive aminopeptidase). TRF1 binding recruits tankyrase-1 to telomeres and allows its PARP activity to regulate telomere homeostasis. By contrast, IRAP binding and the Golgi co-localization of tankyrase-1 with IRAP might allow tankyrase-1 to affect the targeting of IRAP-containing vesicles. A closely related protein, tankyrase-2, has also been implicated in vesicular targeting. Unlike tankyrase-1, tankyrase-2 has not been shown to have PARP activity. In addition, it has not been implicated in telomere homeostasis, because it did not interact with TRF1 in previous studies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13376842
NCBI GeneID	80351
NCBI Accession #	NP_079511
NCBI GenBank Nucleotide #	NP_079511.1
UniProt Accession #	Q9H2K2
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	tankyrase 2
NCBI Official Symbol	TNKS2
NCBI Official Synonym Symbols	TNKL; ARTD6; TANK2; pART6; PARP5B; PARP5C; PARP-5b; PARP-5c
NCBI Protein Information	poly [ADP-ribose] polymerase tankyrase-2; tankyrase-2
UniProt Protein Name	Tankyrase-2
UniProt Gene Name	TNKS2
UniProt Synonym Gene Names	PARP5B; TANK2; TNKL; TANK2; ARTD6
UniProt Entry Name	TNKS2_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-2-tnks2/330414>