

Rat Nuclear Transition Protein 2 (TNP2) ELISA Kit | TNP2 elisa kit

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CATALOG # AAA330186	REACTIVITY Rat
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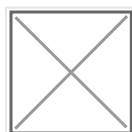
PRODUCT SYNONYMS

Nuclear Transition Protein 2 (TNP2); Rat Nuclear Transition Protein 2 (TNP2) ELISA Kit; TNP2; MGC116783; MGC116785; TP2; TNP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Nuclear transition protein 2 (TNP2) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TNP2. No significant cross-reactivity or interference between Rat TNP2 and analogues was observed.
Sequence Length	114
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. Rat Nuclear transition protein 2 (TNP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNP2 elisa kit	Description: This Rat Nuclear transition protein 2 (TNP2) ELISA Kit employs a two-site sandwich ELISA to quantitate TNP2 in samples. An antibody specific for TNP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNP2 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 TNP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TNP2 were not found in human testicular RNA or human testis cDNA libraries. Finding homologous sequences in the human genome was greatly facilitated, however, by the finding that, in the boar and bull genomes, the genes for protamine-1 (PRM1) and Prm2 are clustered with Tnp2. Schluter et al. (1992) tested a genomic human cosmid clone containing the genes for both protamines and found that the TNP2 gene was within a distance of 7.5 kb 3-prime of the PRM2 gene. The gene was transcribed in human testicular RNA only at a level demonstrable by RT-PCR and RNase protection assay. In contrast to the TNP2 genes of mouse, rat, boar, and bull, the human TNP2 gene lacks the nucleotide sequence GCCATCAC in its 3-prime UTR.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51036639
NCBI GeneID	24840
NCBI Accession #	NP_058753.2
NCBI GenBank Nucleotide #	NP_058753.2
UniProt Accession #	P11101
NCBI Official Full Name	nuclear transition protein 2
NCBI Official Synonym Full Names	transition protein 2
NCBI Official Symbol	Tnp2
NCBI Protein Information	nuclear transition protein 2
UniProt Protein Name	Nuclear transition protein 2
UniProt Gene Name	Tnp2
UniProt Synonym Gene Names	TP-2; TP2
UniProt Entry Name	STP2_RAT

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.