

Rat Nuclear transition protein 2 (TNP2) ELISA Kit | TNP2 elisa kit

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CATALOG #
AAA246215

REACTIVITY
Rat

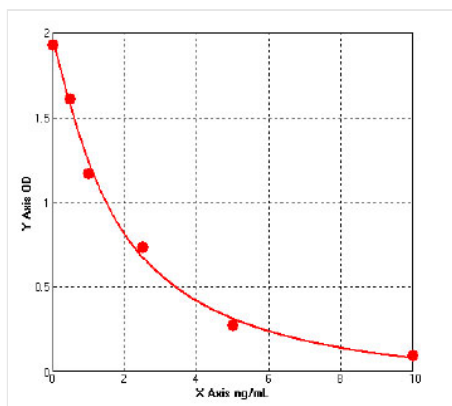
PRODUCT SYNONYMS

Nuclear transition protein 2 (TNP2); Rat Nuclear transition protein 2 (TNP2) ELISA Kit; TNP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TNP2. No significant cross-reactivity or interference between TNP2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TNP2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNP2 elisa kit	Intended Uses: This TNP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TNP2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TNP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TNP2 antibody and an TNP2-HRP conjugate. The assay sample and buffer are incubated together with TNP2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TNP2 concentration since TNP2 from samples and TNP2-HRP conjugate compete for the anti-TNP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TNP2 from the sample, fewer sites are left to bind TNP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNP2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TNP2 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885635
NCBI GeneID	7142
NCBI Accession #	NP_005416.1
NCBI GenBank Nucleotide #	NM_005425.4
Molecular Weight	15,641 Da
NCBI Official Full Name	nuclear transition protein 2
NCBI Official Synonym Full Names	transition protein 2 (during histone to protamine replacement)
NCBI Official Symbol	TNP2
NCBI Official Synonym Symbols	TP2
NCBI Protein Information	nuclear transition protein 2; TP-2
UniProt Protein Name	Nuclear transition protein 2
UniProt Gene Name	TNP2
UniProt Synonym Gene Names	TP-2; TP2
UniProt Entry Name	STP2_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/rat-elisa-kits/nuclear-transition-protein-2-tnp2/246215>