

Rat TIMELESS-interacting protein (TIPIN) ELISA Kit

Catalog No: #EK6524



Package Size: #EK6524-1 48T #EK6524-2 96T

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Rat TIMELESS-interacting protein (TIPIN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	FLJ20516; timeless-interacting protein
Accession No.	Q4QR88
Uniprot	Q4QR88
GeneID	363076;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TIPIN in samples. An antibody specific for TIPIN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTIPIN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TIPIN 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 TIPIN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TIPIN associated with the components of the replicative helicase in human cell lines and protected cells against genotoxic agents. TIPIN was required for efficient cell cycle arrest in response to DNA damage, and depletion of TIPIN rendered cells sensitive to ionizing radiation as well as replication stress.It shares 72% amino acid identity with mouse Tipin, with the greatest divergence in the C termini. coexpression of Tim and Tipin in early embryonic and extraembryonic tissues, although Tipin was more widely expressed. After embryonic day 14.5, both Tim and Tipin were abundantly expressed in thymus, liver, gastrointestinal tract, and ventricular zone of brain, and Tipin was also expressed in lung. In adult mouse brain, Tipin was expressed in thalamic and cortical regions, with lower expression in suprachiasmatic nuclei.

Note: This product is for in vitro research use only