Human TIP41-like protein (TIPRL) ELISA Kit

Catalog No: #EK6523

Package Size: #EK6523-1 48T #EK6523-2 96T

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

Description

Product Name	Human TIP41-like protein (TIPRL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP1-69E11.1; MGC3794; TIP; TIP41; dJ69E11.3; CG9578-like|TIP41; TOR signalling pathway regulator-like|putative MAPK activating protein|yeast YPR037W and worm C02C2.6 predicted proteins-like
Accession No.	O75663
Uniprot	O75663
GeneID	261726;
Storage	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. 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).

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 TIPRL in samples. An antibody specific for TIPRL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTIPRL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TIPRL 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 TIPRL bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TIPRL is an inhibitory regulator of protein phosphatase-2A (PP2A), PP4 , and PP6. TIP isoform-2 did not interact with PP2A, suggesting that the C terminus of TIP is important for PP2A binding. Incubation of PP2A with TIP, but not TIP isoform-2, resulted in dose-dependent inhibition of PP2A phosphatase activity. Cells in which TIP was depleted by small interfering RNA exhibited decreased phosphorylation of a 32-kD substrate of ATM/ATR kinases.

TIP is an inhibitory regulator of PP2A and that the TIP/PP2A complex has a role within the ATM/ATR signaling pathway controlling DNA replication and repair.The predicted protein contains 272 amino acids. Immunoblot analysis showed ubiquitous expression of a 33-kD TIP protein.

Note: This product is for in vitro research use only