Human Tankyrase-2 (TNKS2) ELISA Kit

Catalog No: #EK6174

Package Size: #EK6174-1 48T #EK6174-2 96T

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

Description

Product Name	Human Tankyrase-2 (TNKS2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PARP-5b; PARP-5c; PARP5B; PARP5C; TANK2; TNKL; tankyrase 2
Accession No.	Q9H2K2
Uniprot	Q9H2K2
GeneID	80351;
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 TNKS2 in samples. An antibody specific for TNKS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNKS2 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.Product Overview: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 homoeostasis. By contrast, IRAP binding and the Golgi co-localization of tankyrase-1 with IRAP might allow tankyrase-1 to affect the targeting ofIRAP-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 homoeostasis, because it did not interact with TRF1 in previous studies.

Note: This product is for in vitro research use only