Mouse WW domain-containing transcription regulator protein 1 (WWTR1) ELISA Kit

Catalog No: #EK5820

Package Size: #EK5820-1 48T #EK5820-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse WW domain-containing transcription regulator protein 1 (WWTR1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp586I1419; FLJ27004; FLJ45718; TAZ; transcriptional co-activator with PDZ-binding motif
Accession No.	Q9EPK5
Uniprot	Q9EPK5
GeneID	97064;
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:1.56-100 ng/mL

Sensitivity:0.75 ng/mL

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 WWTR1 in samples. An antibody specific for WWTR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWWTR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WWTR1 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 WWTR1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Using yeast 2-hybrid analysis of a HeLa cDNA library with XPA as bait, followed by RACE PCR, Nakatsu et al. (2000) cloned XAB2. The 855-amino acid protein has 3 acidic regions, 15 class I tetratricopeptide repeats, and a conserved C-terminal region.By in vitro pull-down assay, Nakatsu et al. (2000) confirmed the specific interaction of XPA and XAB2 in yeast. Coimmunoprecipitation assays showed that XAB2 also interacts with CSA (ERCC8), CSB (ERCC6) and RNA polymerase II both in vitro and in vivo. Microinjection of XAB2 antibodies in primary fibroblasts and fibroblasts from XPC patients inhibited mRNA synthesis and transcription-coupled repair (TCR), but did not affect global genome repair (GGR), suggesting that XAB2 functions in normal transcription and in TCR.

Note: This product is for in vitro research use only