

Human Cyclin-dependent kinase 16 (PCTK1) ELISA Kit

Catalog No: #EK8633

Orders: order@signalwayantibody.com

Package Size: #EK8633-1 48T #EK8633-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Cyclin-dependent kinase 16 (PCTK1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ16665; PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1; OTTHUMP00000023209 PCTAIRE protein kinase 1 PCTAIRE-motif protein kinase 1 serine/threonine-protein kinase
Accession No.	Q00536
Uniprot	Q00536
GeneID	5127;
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:31.25-2000 pg/mL

Sensitivity:12.6 pg/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 PCTK1 in samples. An antibody specific for PCTK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPCTK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCTK1 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 PCTK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**CDK16 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells. This gene is thought to escape X inactivation. Two transcript variants encoding the same protein have been found for this gene.

The 3 PCTAIRE kinases are 65% identical to one another (80% within the catalytic domain). PCTAIRE1 is ubiquitously expressed with the highest levels detected in the brain and testis. Human PCTAIRE cDNAs do not complement yeast cdc28 mutants and show other differences, suggesting that PCTAIRE kinases have different cellular functions from those described for CDC2.

Note: This product is for in vitro research use only