Human Paxillin (PXN) ELISA Kit

Catalog No: #EK7915

Package Size: #EK7915-1 48T #EK7915-2 96T

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

Description

Product Name	Human Paxillin (PXN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	hCG_1778014; FLJ16691;
Accession No.	P49023
Uniprot	P49023
GeneID	5829;
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:0.156-10 ng/mL

Sensitivity:0.055 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 PXN in samples. An antibody specific for PXN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPXN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXN 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 PXN bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Paxillin is a signal transduction adaptor protein and should not be confused with the neurotoxin paxilline.Glenney and Zokas (1989) used an antiphosphotyrosine antibody to identify proteins that are phosphorylated in Rous sarcoma virus-transformed chick embryo fibroblasts, and found a 76-kD protein that localizes to focal adhesions at the ends of actin-containing stress fibers in nontransformed cells. Turner et al. (1990) purified this protein from chicken gizzard smooth muscle, and named it paxillin ('paxillus' means 'small stake' or 'peg' in Latin) as a protein tethered to the membrane at focal adhesions.Paxillin migrates as a diffuse 65- to 70-kD band on SDS-PAGE. Salgia et al. (1995) stated that transmembrane integrin molecules connect the actin cytoskeleton to the extracellular matrix within focal adhesions.

Note: This product is for in vitro research use only