

## Human Pericentrin (PCNT) ELISA Kit

Catalog No: #EK8642



Package Size: #EK8642-1 48T #EK8642-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Pericentrin (PCNT) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	KEN; MOPD2; PCN; PCNT2; PCNTB; PCTN2; SCKL4; kendrin pericentrin B pericentrin-2 pericentrin-380
Accession No.	O95613
Uniprot	O95613
GeneID	5116;
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:0.312-20 ng/mL

Sensitivity:0.119 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 PCNT in samples. An antibody specific for PCNT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPCNT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCNT 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 PCNT bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Pericentrin (kendrin), also known as PCNT, is a protein binds to calmodulin and is expressed in the centrosome. It is an integral component of the pericentriolar material (PCM).

The protein contains a series of coiled coil domains and a highly conserved PCM targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component  $\gamma$ -tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell cycle progression.Expressed in all tissues tested, including placenta, liver, kidney and thymus. pericentrin is a conserved integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays.

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Note: This product is for in vitro research use only