# Human Serine/threonine-protein kinase PLK3 (PLK3) ELISA Kit

Catalog No: #EK8433

Package Size: #EK8433-1 48T #EK8433-2 96T

Orders: order@signalwayantibody.com
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## Description

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|---|---|
| Product Name | Human Serine/threonine-protein kinase PLK3 (PLK3) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | RP11-269F19.6; CNK; FNK; PRK; FGF-inducible kinase\|cytokine-inducible kinase\|polo-like kinase 3\|proliferation-related kinase |
| Accession No. | Q9H4B4 |
| Uniprot | Q9H4B4 |
| GeneID | 1263; |
| 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.<br>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:23.44-1500 pg/mL

Sensitivity:5.8 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 PLK3 in samples. An antibody specific for PLK3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLK3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLK3 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 PLK3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:CNK is a member of the 'polo' family of serine/threonine kinases. Members of this family have been implicated in cell division and are important in regulating the onset of mitosis and M-phase progression.The predicted 607-amino acid protein has an N-terminal catalytic domain, including an ATP-binding site, a central putative nuclear targeting signal, and a presumed C-terminal regulatory domain. The CNK protein shows homology with several other members of the 'polo' family; it is 91% identical to mouse Fnk, 50% identical to human PLK, 48% identical to Drosophila polo, and 38% identical to S. cerevisiae Cdc5. Northern blot analysis detected expression of a 2.5-kb CNK transcript in a limited number of human tissues, with placenta containing a moderate level and ovary, lung, and peripheral blood leukocytes containing low levels.

Note: This product is for in vitro research use only