

# Human Serine/threonine-protein kinase PINK1, mitochondrial (PINK1) ELISA Kit

Catalog No: #EK8502

Orders: order@signalwayantibody.com

Package Size: #EK8502-1 48T #EK8502-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Serine/threonine-protein kinase PINK1, mitochondrial (PINK1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BRPK; FLJ27236; PARK6; protein kinase BRPK serine/threonine-protein kinase PINK1
Accession No.	Q9BXM7
Uniprot	Q9BXM7
GeneID	65018;
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:3.125-200 ng/mL

Sensitivity:1.3 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 PINK1 in samples. An antibody specific for PINK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPINK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PINK1 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 PINK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PINK1 encodes a serine/threonine protein kinase that localizes to mitochondria. It is thought to protect cells from stress-induced mitochondrial dysfunction. Mutations in this gene cause one form of autosomal recessive early-onset Parkinson disease.

The protein shares 43% and 31% sequence identity with Drosophila CG4523 and C. elegans EEED8.9, respectively. Northern blot analysis detected ubiquitous expression of a 2.7-kb transcript, with highest expression in heart, skeletal muscle, and testis. RT-PCR analysis showed that expression of PINK1 was decreased in ovarian tumors compared with corresponding normal tissues.

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Note: This product is for in vitro research use only