

# Human PX domain-containing protein kinase-like protein (PXK) ELISA Kit



Catalog No: #EK7927

Orders: order@signalwayantibody.com

Package Size: #EK7927-1 48T #EK7927-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human PX domain-containing protein kinase-like protein (PXK) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ20335; MONaKA; PX ser/thr kinase v2 PX serine/threonine kinase modulator of Na;K-ATPase long form
Accession No.	Q7Z7A4
Uniprot	Q7Z7A4
GeneID	54899;
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:7.8 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 PXK in samples. An antibody specific for PXK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPXK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXK 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 PXK bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The deduced 578-amino acid human PXK and 581-amino acid mouse Pxx share over 90% amino acid identity. PXK contains an N-terminal PX-like domain predicted to bind phosphoinositides, a putative protein kinase domain in the central region, which has greatest similarity to Drosophila slob, and a number of polyproline motifs. The authors identified a truncated PXK isoform in both human and mouse. RT-PCR analysis detected expression of the full-length Pxx in all mouse tissues examined and expression of the Pxx short isoform in all mouse tissues except skeletal muscle. Immunohistochemical studies detected Pxx expression throughout the nervous system in both mouse neurons and glia, including oligodendrocytes, astrocytes, microglia, and Schwann cells.

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Note: This product is for in vitro research use only