

Human Lymphokine-Activated Killer T-Cell-Originated Protein Kinase, PBK ELISA Kit | PBK elisa kit

Human Lymphokine-Activated Killer T-Cell-Originated Protein Kinase, PBK Primacu ELISA Kit

CATALOG # AAA124167	REACTIVITY Human
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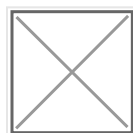
PRODUCT SYNONYMS

Lymphokine-Activated Killer T-Cell-Originated Protein Kinase; PBK; Human Lymphokine-Activated Killer T-Cell-Originated Protein Kinase; PBK Primacu ELISA Kit; Lymphokine-activated killer T-cell-originated protein kinase; TOPK; PBK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	62.5-4000pg/mL
Sensitivity	21.19pg/mL
Standard Solution	40ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for PBK elisa kit	PDZ binding kinase (PBK), also known as TOPK (T-LAK cell-originated protein kinase), is a serine/threonine kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family, and has all the characteristic protein kinase subdomains and a C-terminal PDZ-binding T/SXV motif. PBK is expressed in the testis restrictedly expressed in outer cell layer of seminiferous tubules, as well as placenta. PBK may be enrolled in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis. This mitotic kinase phosphorylates MAP kinase p38 and seems to be active in mitosis. When phosphorylated, PBK forms a protein-protein interaction with tumor suppressor p53 (TP53), leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage. The expression level of PBK is thus upregulated in a variety of neoplasms including hematological malignancies.
Product Categories/Family for PBK elisa kit	Primacu ELISA Kit; Cancer; Cell biology; Epigenetics and nuclear signaling; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490991
NCBI GeneID	55872
NCBI Accession #	NP_060962.2
NCBI GenBank Nucleotide #	NM_018492.2
UniProt Accession #	Q96KB5; Q9NPD9; Q9NYL7; Q9NZK6; D3DST2
Molecular Weight	36,085 Da
NCBI Official Full Name	lymphokine-activated killer T-cell-originated protein kinase
NCBI Official Synonym Full Names	PDZ binding kinase
NCBI Official Symbol	PBK
NCBI Official Synonym Symbols	SPK; CT84; TOPK; Nori-3
NCBI Protein Information	lymphokine-activated killer T-cell-originated protein kinase; PDZ-binding kinase; cancer/testis antigen 84; MAPKK-like protein kinase; serine/threonine protein kinase; T-LAK cell-originated protein kinase; spermatogenesis-related protein kinase
UniProt Protein Name	Lymphokine-activated killer T-cell-originated protein kinase
UniProt Gene Name	PBK
UniProt Synonym Gene Names	TOPK; CT84; SPK
UniProt Entry Name	TOPK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lymphokine-activated-killer-t-cell-originated-protein-kinase-pbk/124167>