



Rabbit Anti-Phospho-PBK (Thr9) antibody

SL3326R

Product Name:	Phospho-PBK (Thr9)
Chinese Name:	磷酸化PDZ连接激酶/T-LAK细胞源蛋白激酶抗体
Alias:	PBK (phospho T9); PBK (phospho Thr9); Cancer/testis antigen 84; CT84; FLJ14385; Lymphokine activated killer T cell originated protein kinase; MAPKK like protein kinase; PDZ-binding-kinase/T-LAK cell-originated protein kinase; Nori 3; Nori3; PDZ binding kinase; Serine/threonine protein kinase; Spermatogenesis related protein kinase; SPK; T LAK cell originated protein kinase; TOPK.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human PBK/TOPK around the phosphorylation site of Thr9:FK(p-T)P
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a serine/threonine protein kinase related to the dual specific mitogen-

activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. The encoded protein may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis. Overexpression of this gene has been implicated in tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Function:

Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.

Subunit:

Interacts with DLG1 and TP53.

Tissue Specificity:

Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.

Post-translational modifications:

Phosphorylated; in a cell-cycle dependent manner at mitosis.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. MAP kinase kinase subfamily.

Contains 1 protein kinase domain.

SWISS:

Q96KB5

Gene ID:

55872

Database links:

[Entrez Gene: 55872](#)Human

[Omir: 611210](#)Human

[SwissProt: Q96KB5](#)Human

[Unigene: 104741](#)Human

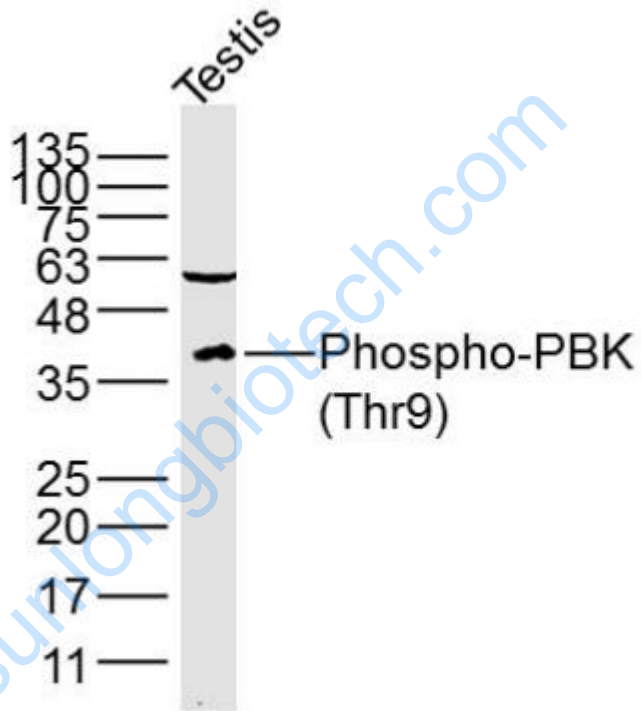
Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PBK/TOPK是一种新近发现的丝-
苏氨酸激酶,属于MAPKK分子家族成员,具有参与调控恶性Tumour细胞的增殖和
周期变化,促进Tumour细胞转化,
并且通过MAPKK信号通路参与调控细胞DNA损伤修复.

Picture:



Sample: Testis (Mouse) Lysate at 40 ug

Primary: Anti-Phospho-PBK (Thr9) (SL3326R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 36 kD

Observed band size: 36 kD