

## PBK Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP06961
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PBK/TOPK. AA range:1-50
<b>Mol wt</b>	36085
<b>Species reactivity</b>	Human, Monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	PBK Antibody
<b>Synonyms</b>	PBK; TOPK; Lymphokine-activated killer T-cell-originated protein kinase; Cancer/testis antigen 84; CT84; MAPKK-like protein kinase; Nori-3; PDZ-binding kinase; Spermatogenesis-related protein kinase;

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

PBK (PDZ binding kinase) 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 PBK has been implicated in tumorigenesis. Alternative splicing results in multiple transcript variants.

### Recommended Dilution

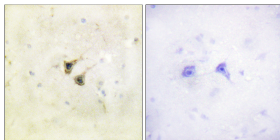
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

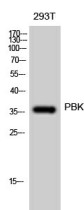
ELISA: 1: 5000

Not yet tested in other applications.

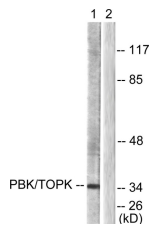
### Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PBK/TOPK Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of 293T cells using PBK Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from COS7 cells, treated with Nocodazole 1 $\mu$ g/ml 16h, using PBK/TOPK Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)