

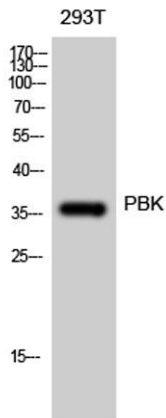
**PBK rabbit pAb****Cat#: orb769667 (Manual)**

For research use only. Not intended for diagnostic use.

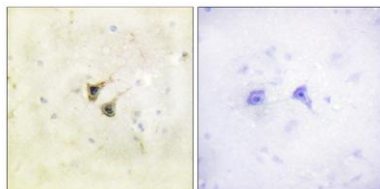
<b>Product Name</b>	PBK rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PBK/TOPK. AA range:1-50
<b>Specificity</b>	PBK Polyclonal Antibody detects endogenous levels of PBK protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Lymphokine-activated killer T-cell-originated protein kinase
<b>Gene Name</b>	PBK
<b>Cellular localization</b>	nucleus,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	36kD
<b>Human Gene ID</b>	55872
<b>Human Swiss-Prot Number</b>	Q96KB5
<b>Alternative Names</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; SPK; T-LAK cell-originated protein kinase

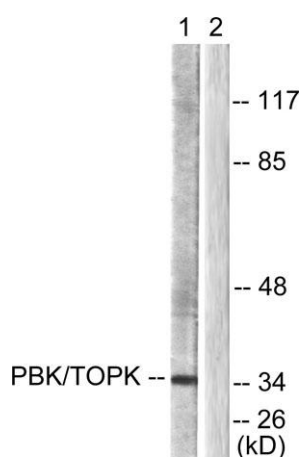
**Background** PDZ binding kinase(PBK) Homo sapiens This gene encodes a serine/threonine protein kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. The encoded protein may be 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],



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



**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 lysates from COS7 cells, treated with Nocodazole 1ug/ml 16h, using PBK/TOPK Antibody. The lane on the right is blocked with the synthesized peptide.**