



## Anti-PBK (full length) polyclonal antibody (DPAB-DC2452)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PBK (AAH15191, 1 a.a. ~ 322 a.a) full-length recombinant protein with GST tag. The sequence is  MEGISNFKTPSKLSEKKSVLCSTPTINIPASPFMQLGFGTGVNVYLMKRSRGLSHSP WAVKKINPICNDHYRSVYQKRLMDEAKILKSLHHPNIVGYRAFTEANDGSLCLAMEYGGE KSLNDLIEERYKASQDPFPAAIILKVALNMARGLKYLHQEKLLHGDIKSSNVVIKGDFE TIKICDVGVLPLDENMTVDPEACYIGTEPWKPKEAVEENGVITDKADIFAFGLTLWEM MTLSIPHINLSNDDDEDKTFDESDFDDEAYYAALGTRPPINMEELDESYQKVIELFSVC TNEDPKDRPSAAHIVEALETDV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PBK PDZ binding kinase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PBK
<b>Synonyms</b>	PBK; PDZ binding kinase; SPK; CT84; TOPK; HEL164; Nori-3; lymphokine-activated killer T-cell-originated protein kinase; cancer/testis antigen 84; MAPKK-like protein kinase; epididymis luminal protein 164; serine/threonine protein kinase; T-LAK cell-originated protein kinase; spermatogenesis-related protein kinase;
<b>Entrez Gene ID</b>	<a href="#">55872</a>
<b>Protein Refseq</b>	<a href="#">NP_001265874</a>
<b>UniProt ID</b>	<a href="#">Q96KB5</a>
<b>Chromosome Location</b>	8p21.2
<b>Function</b>	ATP binding; protein binding; protein serine/threonine kinase activity;