

**Phospho-PBK/TOPK (Thr9) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP3911a****Specification**

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**Phospho-PBK/TOPK (Thr9) Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q96KB5</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	36085

**Phospho-PBK/TOPK (Thr9) Antibody - Additional Information****Gene ID** 55872**Other Names**

Lymphokine-activated killer T-cell-originated protein kinase, 2.7.12.2, 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, PBK, TOPK

**Target/Specificity**

This Phospho-PBK/TOPK (Thr9) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2-35 amino acids from the human Phospho-PBK/TOPK.

**Dilution**

WB~~1:4000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Phospho-PBK/TOPK (Thr9) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Phospho-PBK/TOPK (Thr9) Antibody - Protein Information****Name** PBK**Synonyms** TOPK

**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.

#### **Tissue Location**

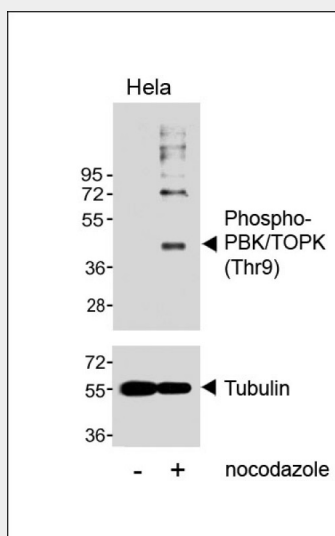
Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.

### **Phospho-PBK/TOPK (Thr9) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Phospho-PBK/TOPK (Thr9) Antibody - Images**



Western blot analysis of lysates from HeLa cell line, untreated or treated with Nocodazole, 100ng/ml, using Phospho-PBK/TOPK (Thr9) Antibody (upper) or Tubulin (lower).

### **Phospho-PBK/TOPK (Thr9) Antibody - Background**

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.

### **Phospho-PBK/TOPK (Thr9) Antibody - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Nusbaum C.,et al.Nature 439:331-335(2006).