

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

Specification

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

Application	WB,E
Primary Accession	O96KB5
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

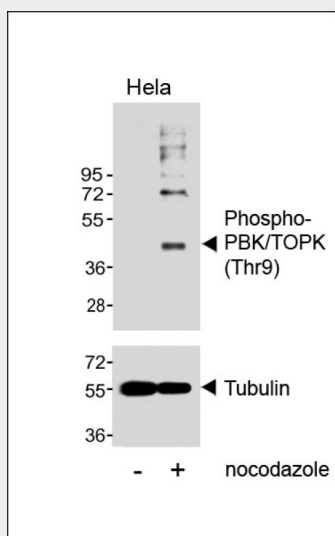
Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.

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

Abe Y., et al. J. Biol. Chem. 275:21525-21531(2000).
Gaudet S., et al. Proc. Natl. Acad. Sci. U.S.A. 97:5167-5172(2000).

Zhao S.,et al.Int. J. Biochem. Cell Biol. 33:631-636(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).