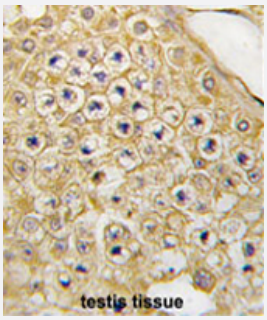
PBK polyclonal antibody

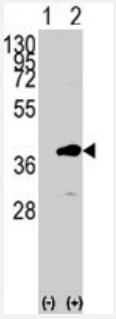
Catalog # PAB2035 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human testis tissue reacted with PBK polyclonal antibody (Cat # PAB2035) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.
This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Western Blot (Transfected lysate)

Western blot analysis of PBK (arrow) using PBK polyclonal antibody (Cat # PAB2035). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PBK gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PBK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PBK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human testis tissue reacted with PBK polyclonal antibody (Cat # PAB2035) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.
  This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.

- Western Blot (Transfected lysate)

  Western blot analysis of PBK (arrow) using PBK polyclonal antibody (Cat # PAB2035). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PBK gene (Lane 2) (Origene Technologies).

Gene Info — PBK

Entrez GeneID	55872
Protein Accession#	NP_060962;Q96KB5
Gene Name	PBK
Gene Alias	FLJ14385, Nori-3, SPK, TOPK
Gene Description	PDZ binding kinase
Omim ID	611210
Gene Ontology	Hyperlink
Gene Summary	This genes encodes a serine/threonine kinase related to the dual specific mitogen-activated prot ein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. This mitotic kinase may be involved in the activation of lymphoid cells and sup port testicular functions, with a suggested role in the process of spermatogenesis. [provided by R efSeq

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	MAPKK-like protein kinase|PDZ-binding kinase|T-LAK cell-originated protein kinase|serine/threonine protein kinase|spermatogenesis-related protein kinase

Publication Reference

- Protein expression of PDZ-binding kinase is up-regulated in hematologic malignancies and strongly down-regulated during terminal differentiation of HL-60 leukemic cells.

  Nandi A, Tidwell M, Karp J, Rapoport AP.

  Blood Cells, Molecules & Diseases 2004 Jan; 32(1):240.

  Application: WB-Ce, Human, AML, ALL, CLL, Burkitt's, 293 T, Human umbilical vein endothelia, HL-60 cells, Blastic type mantle cell lymphoma

- PBK/TOPK is a novel mitotic kinase which is upregulated in Burkitt's lymphoma and other highly proliferative malignant cells.

  Simons-Evelyn M, Bailey-Dell K, Toretsky JA, Ross DD, Fenton R, Kalvakolanu D, Rapoport AP.

  Blood Cells, Molecules & Diseases 2001 Sep; 27(5):825.

- PDZ-binding kinase participates in spermatogenesis.

  Zhao S, Dai J, Zhao W, Xia F, Zhou Z, Wang W, Gu S, Ying K, Xie Y, Mao Y.

  The International Journal of Biochemistry & Cell Biology 2001 Jun; 33(6):631.

Disease

- Genetic Predisposition to Disease
- Kidney Failure
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.