

Rabbit PBK Polyclonal Antibody | anti-PBK antibody

PBK Antibody (C-term C300)

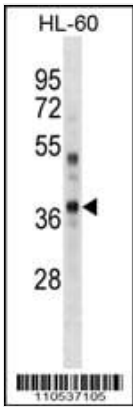
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286982	Rabbit	Human (Predicted Reactivity: Mouse)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PBK; Polyclonal Antibody; PBK Antibody (C-term C300); 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; TOPK; anti-PBK antibody

PRODUCT SPECIFICATIONS

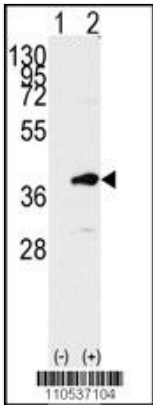
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PBK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-317 amino acids from the C-terminal region of human PBK.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	286-317
Sequence Length	333
Applicable Applications for anti-PBK antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
PBK/TOPK Antibody (Mouse C-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the PBK/TOPK antibody detected the PBK/TOPK protein (arrow).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with PBK Antibody (C-term C300), 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.



WB (Western Blot)
Western blot analysis of PBK (arrow) using rabbit polyclonal PBK Antibody (C-term C300). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PBK gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PBK antibody	PBK is a serine/threonine kinase related to the dual specific mitogen-activated protein 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 support testicular functions, with a suggested role in the process of spermatogenesis.
Product Categories/Family for anti-PBK antibody	Cancer; Cell Biology; Signal transduction
References	Nandi, A., et al., Blood Cells Mol. Dis. 32(1):240-245 (2004). Simons-Evelyn, M., et al., Blood Cells Mol. Dis. 27(5):825-829 (2001). Zhao, S., et al., Int. J. Biochem. Cell Biol. 33(6):631-636 (2001). Abe, Y., et al., J. Biol. Chem. 275(28):21525-21531 (2000). Gaudet, S., et al., Proc. Natl. Acad. Sci. U.S.A. 97(10):5167-5172 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	525507092
NCBI GeneID	55872
NCBI Accession #	NP_001265874.1; NP_060962.2

NCBI GenBank Nucleotide #	NM_001278945.1
UniProt Accession #	Q96KB5 ; Q9NPD9 ; Q9NYL7 ; Q9NZK6 ; B4DX68 ; D3DST2
Molecular Weight	36085
NCBI Official Full Name	lymphokine-activated killer T-cell-originated protein kinase isoform 2
NCBI Official Synonym Full Names	PDZ binding kinase
NCBI Official Symbol	PBK
NCBI Official Synonym Symbols	SPK; CT84; TOPK; HEL164; Nori-3
NCBI Protein Information	lymphokine-activated killer T-cell-originated protein kinase
UniProt Protein Name	Lymphokine-activated killer T-cell-originated protein kinase
UniProt Gene Name	PBK
UniProt Synonym Gene Names	TOPK; CT84; SPK
UniProt Entry Name	TOPK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pbk-antibody-immunohistochemistry-western-blot-elisa/286982>