

PBK Polyclonal Antibody | anti-PBK antibody

Anti-PBK Antibody

CATALOG # AAA46341	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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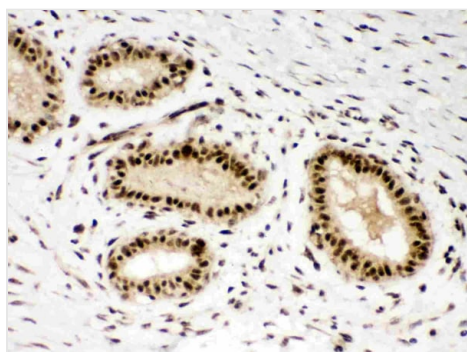
PRODUCT SYNONYMS

PBK; Polyclonal Antibody; Anti-PBK Antibody; Lymphokine-activated killer T-cell-originated protein kinase; Cancer/testis antigen 84; CT84; Epididymis luminal protein 164; FLJ14385; HEL164; Lymphokine activated killer T cell originated protein kinase; MAPKK like protein kinase; MAPKK-like protein kinase; Nori 3; Nori-3; Nori3; PDZ binding kinase; PDZ-binding kinase; Serine/threonine protein kinase; Spermatogenesis related protein kinase; Spermatogenesis-related protein kinase; SPK; T LAK cell originated protein kinase; T-LAK cell-originated protein kinase; TOPK; TOPK_HUMAN; anti-PBK antibody

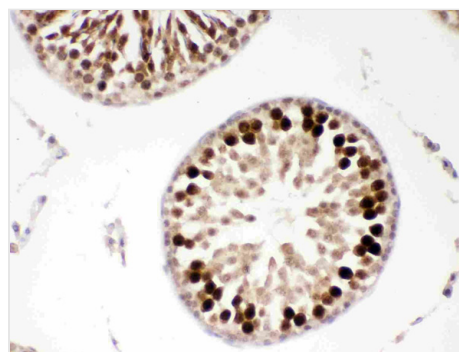
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	333
Applicable Applications for anti-PBK antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PBK recombinant protein (Position: N71-V322). Human PBK shares 89% amino acid (aa) sequence identity with mouse PBK.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

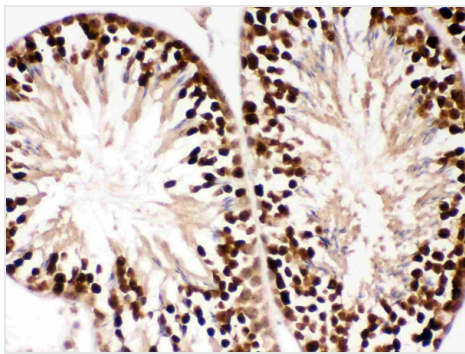
IMAGES



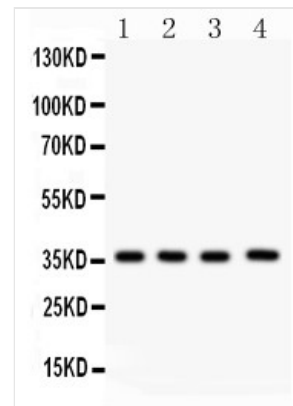
IHC (Immunohistochemistry)
Anti- PBK Picoband antibody, AAA46341, IHC(P)IHC(P): Human Mammary Tissue



IHC (Immunohistochemistry)
Anti- PBK Picoband antibody, AAA46341, IHC(P)IHC(P): Rat Testis Tissue



IHC (Immunohistochemistry)
Anti- PBK Picoband antibody, AAA46341, IHC(P)IHC(P): Mouse Testis Tissue



WB (Western Blot)
Anti- PBK Picoband antibody, AAA46341, Western blottingAll lanes: Anti PBK (AAA46341) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Mouse Testis Tissue Lysate at 50ugLane 3: Human Placenta Tissue Lysate at 50ugLane 4: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 36KDObserved bind size: 36KD

ADDITIONAL INFORMATION

Related Product Information for anti-PBK antibody	Description: Rabbit IgG polyclonal antibody for Lymphokine-activated killer T-cell-originated protein kinase(PBK) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Lymphokine-activated killer T-cell-originated protein kinase, also known as TOPK or PBK, is an enzyme that in humans is encoded by the PBK gene. The protein encoded by this gene is a serine/threonine kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. It is mapped to 8p21.1. PBK can mediate cell growth through histone H3 modification. 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.
References	1. Abe Y, Matsumoto S, Kito K, Ueda N (Aug 2000). "Cloning and expression of a novel MAPKK-like protein kinase, lymphokine-activated killer T-cell-originated protein kinase, specifically expressed in the testis and activated lymphoid cells". J Biol Chem 275 (28): 21525-31. 2. "Entrez Gene: PBK PDZ binding kinase" 3. Park, J.-H., Lin, M.-L., Nishidate, T., Nakamura, Y., Katagiri, T. PDZ-binding kinase/T-LAK cell-originated protein kinase, a putative cancer/testis antigen with an oncogenic activity in breast cancer. Cancer Res. 66: 9186-9195, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	525507092
NCBI GeneID	55872
NCBI Accession #	NP_001265874.1
NCBI GenBank Nucleotide #	NM_001278945.1
UniProt Accession #	Q96KB5; Q9NPD9; Q9NYL7; Q9NZK6; B4DX68; D3DST2
Molecular Weight	37,211 Da
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/46341>