antibodies

# Datasheet for ABIN3043592 anti-PBK antibody (AA 71-322)

5 Images



## Overview

Quantity:	100 µg
Target:	РВК
Binding Specificity:	AA 71-322
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PBK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Lymphokine-activated killer T-cell-originated protein
	kinase(PBK) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human PBK recombinant protein (Position: N71-V322). Human PBK shares 89%

	Protein Name: Lymphokine-activated killer T-cell-originated protein kinase
	Gene Name: PDZ binding kinase
	kinase(PBK) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Characteristics:	Rabbit IgG polyclonal antibody for Lymphokine-activated killer T-cell-originated protein
Cross-Reactivity (Details):	No cross reactivity with other proteins.
lsotype:	lgG
	amino acid (aa) sequence identity with mouse PBK.

Purification:

Immunogen affinity purified.

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## Target Details

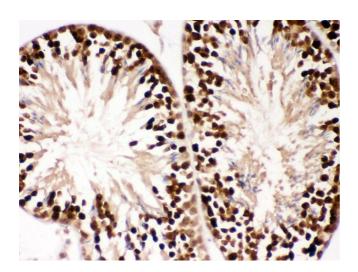
Target:	PBK
Alternative Name:	PBK (PBK Products)
Background:	<ul> <li>Lymphokine-activated killer T-cell-originated protein kinase, also known as TOPK or PBK, is an enzyme that in humans is encoded by the PBK gene. The protein encoded by this gene is a serine/threonine kinase related to the dual specific 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.</li> <li>Synonyms: Cancer/testis antigen 84 antibody/CT84 antibody/Epididymis luminal protein 164 antibody/FLJ14385 antibody/HEL164 antibody/Lymphokine activated killer T cell originated protein kinase antibody/Lymphokine-activated killer T-cell-originated protein kinase antibody/Nori 3 antibody/Nori 3 antibody/Nori 3 antibody/PDZ binding kinase antibody/PDZ-binding kinase antibody/Serine/threonine protein kinase antibody/Serime/threonine protein kinase antibody/Serime/threonine</li> </ul>
	kinase antibody Spermatogenesis-related protein kinase antibody SPK antibody T LAK cell originated protein kinase antibody T-LAK cell-originated protein kinase antibody TOPK antibody TOPK_HUMAN antibody 55872
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for PBK is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

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## Handling

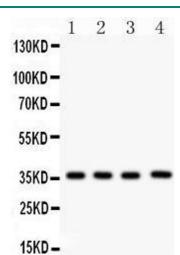
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu\text{g/mL}.$
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

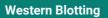
## Images



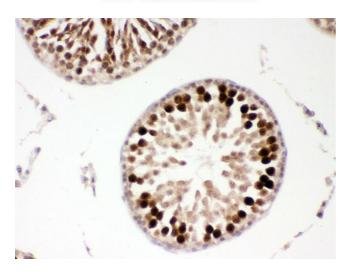
#### Immunohistochemistry

**Image 1.** Anti- PBK Picoband antibody, IHC(P) IHC(P): Mouse Testis Tissue





**Image 2.** Anti- PBK Picoband antibody, Western blotting All lanes: Anti PBK at 0.5ug/ml Lane 1: Rat Testis Tissue Lysate at 50ug Lane 2: Mouse Testis Tissue Lysate at 50ug Lane 3: Human Placenta Tissue Lysate at 50ug Lane 4: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 36KD Observed bind size: 36KD



#### Immunohistochemistry

**Image 3.** Anti- PBK Picoband antibody, IHC(P) IHC(P): Rat Testis Tissue

Please check the product details page for more images. Overall 5 images are available for ABIN3043592.