

For Research Use Only

PBK/SPK Recombinant antibody, PBS Only (Capture)

Catalog Number: 84970-1-PBS



Basic Information

Catalog Number: 84970-1-PBS	GenBank Accession Number: BC015191	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 55872	CloneNo.: 242545A11
Source: Rabbit	UNIPROT ID: Q96KB5	
Isotype: IgG	Full Name: PDZ binding kinase	
Immunogen Catalog Number: AG9033	Calculated MW: 322 aa, 36 kDa	
	Observed MW: 36-40 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Cytometric bead array,
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human, mouse, rat

Background Information

PBK(PDZ-binding kinase) is also named as TOPK, CT84, Nori-3, SPK and belongs to the MAP kinase kinase subfamily. PBK may have a role in the regulation of cellular proliferation and progression of the cell cycle. It has a characteristic cdc2cyclin B phosphorylation site(SyT-P-X-KyR) at its N terminus, which is conserved across species, and it is phosphorylated in a cell cycle-dependent manner at mitosis, and that this phosphorylation is required for its activation(PMID:10779557).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

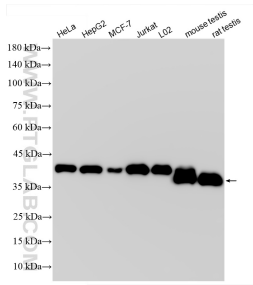
T: 4006900926

E: Proteintech-CN@ptglab.com

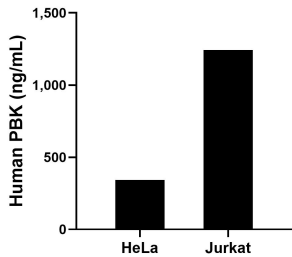
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

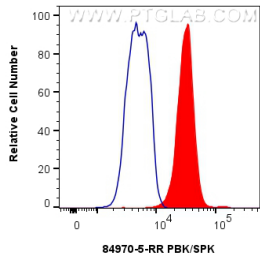
Selected Validation Data



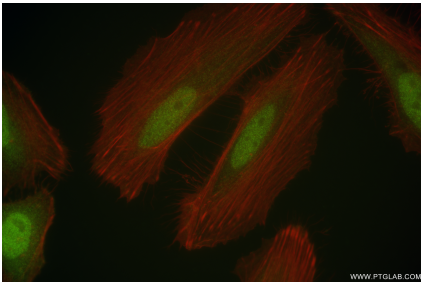
Various lysates were subjected to SDS PAGE followed by western blot with 84970-1-RR (PBK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84970-1-PBS in a different storage buffer formulation.



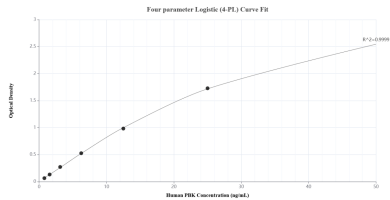
The mean PBK concentration was determined to be 342.86 ng/mL in HeLa cell extract based on a 1.30 mg/mL extract load and 1,243.51 ng/mL in Jurkat cell extract based on a 2.00 mg/mL extract load.



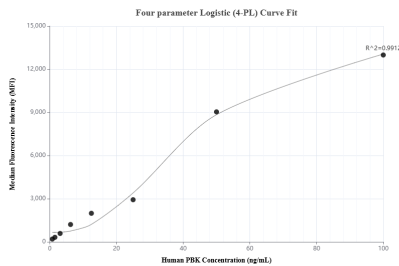
1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug PBK/SPK Recombinant antibody (84970-1-RR, Clone:242545A11) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 84970-1-PBS in a different storage buffer



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PBK/SPK antibody (84970-1-RR, Clone: 242545A11) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84970-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01693-1, Human PBK Recombinant Matched Antibody Pair - PBS only. 84970-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag9033. 84970-4-PBS was HRP conjugated as the detection antibody. Range: 0.781-50 ng/mL



Cytometric bead array standard curve of MP01693-1, PBK Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84970-1-PBS. Detection antibody: 84970-4-PBS. Standard: Ag9033. Range: 0.781-100 ng/mL