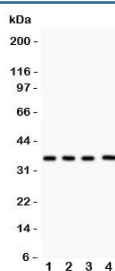


PBK Antibody / PDZ Binding Kinase (R31723)

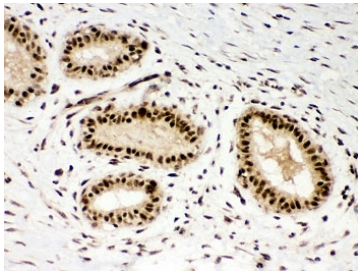
Catalog No.	Formulation	Size
R31723	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

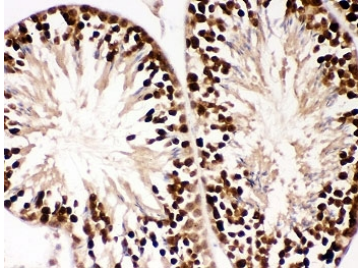
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	55872
Localization	Nuclear and cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This PBK antibody is available for research use only.



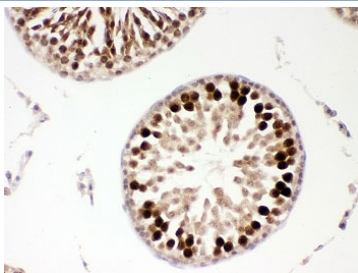
Western blot testing of PBK antibody and Lane 1: rat testis; 2: mouse testis; 3: human placenta; 4: (h) Jurkat lysate. Predicted molecular weight: ~36 kDa.



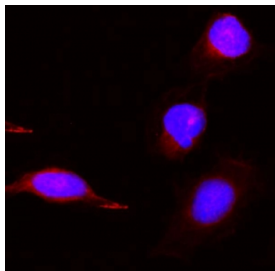
IHC-P: PBK antibody testing of human breast tissue



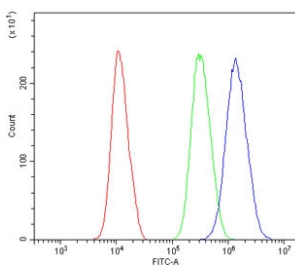
IHC-P: PBK antibody testing of mouse testis tissue



IHC-P: PBK antibody testing of rat testis tissue



IF/ICC staining of FFPE human U-2 OS cells with PBK antibody (red) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human A549 cells with PBK antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PBK antibody.

Description

PDZ binding kinase (PBK), also known as TOPK, is a serine/threonine kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. PBK can mediate cell growth through histone H3 modification. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. It may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis.

Application Notes

Variations in secondary/substrate sensitivities and test protocols may require the PBK antibody to be titrated for optimal performance.

Immunogen

Human partial recombinant protein (AA 71-322) was used as the immunogen for this PBK antibody.

Storage

The lyophilized PBK antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.