

PBK Antibody

Catalog No: #48483

Package Size: #48483-1 50ul #48483-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

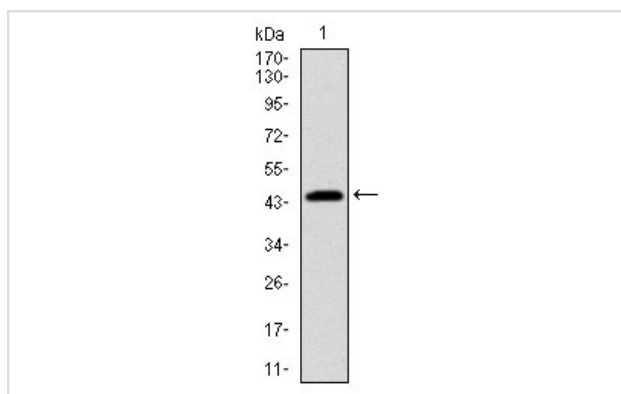
Description

Product Name	PBK Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	E11-C8
Purification	ProA affinity purified
Applications	WB,ICC,IHC,FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	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 MAPKK like protein kinase antibody MAPKK-like protein kinase antibody Nori 3 antibody Nori-3 antibody Nori3 antibody PBK antibody PDZ binding kinase antibody PDZ-binding kinase antibody Serine/threonine protein kinase antibody Spermatogenesis related protein 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
Accession No.	Swiss-Prot#:Q96KB5
Uniprot	Q96KB5
GeneID	55872;
Calculated MW	36 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

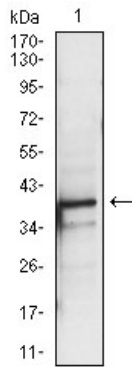
Application Details

WB: 1:500IHC: 1:100-1:500ICC: 1:100-1:500FC: 1:100-1:200

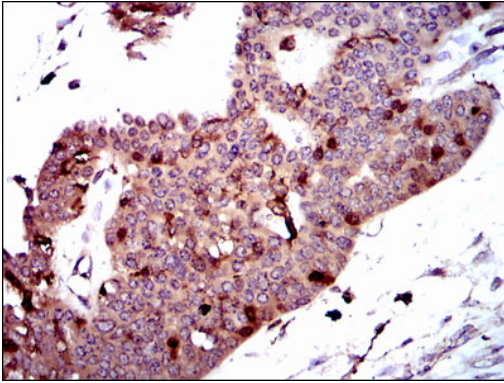
Images



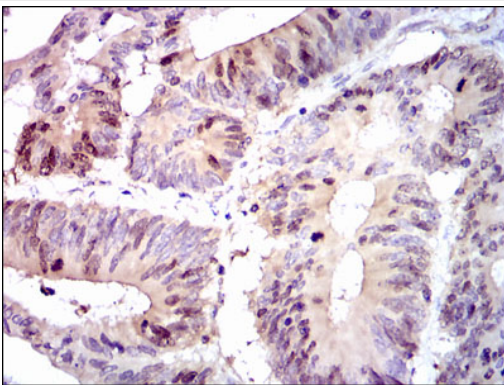
Western blot analysis of PBK on human PBK recombinant protein using anti-PBK antibody at 1/1,000 dilution.



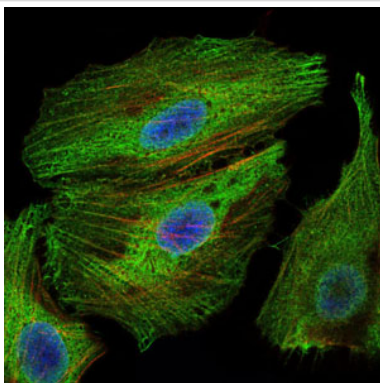
Western blot analysis of PBK on A431 cell lysate using anti-PBK antibody at 1/1,000 dilution.



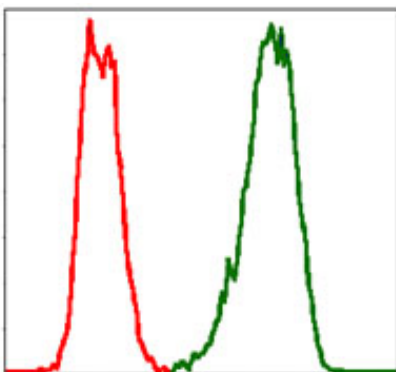
Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue using anti-PBK antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-PBK antibody. Counter stained with hematoxylin.



ICC staining PBK (green) and actin filaments (red) in HeLa cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with PBK antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

Protein kinases comprise a large group of encoded factors that regulate cellular processes by catalyzing the transfer of a phosphate group to a hydroxyl acceptor in serine, threonine or tyrosine residues. Kinases are capable of influencing the oncogenic potential of cell systems at the level of oncoprotein or tumor suppressor protein phosphorylation states. Human PDZ-binding kinase, known as PBK, is a 322 amino acid, T/SXV motif-containing serine/threonine kinase that is abundant in placenta and absent from adult brain tissue. A PDZ domain in the tumor suppressor protein Dlg can coordinate with the T/SXV motif of PBK. The cell cycle checkpoint kinase Cdc2/cyclin B is an upstream effector of PBK that can phosphorylate and activate PBK. Active PBK may associate with PDZ-containing proteins and influence cell cycle control or cellular proliferation.

References

Note: This product is for in vitro research use only