

Mouse anti-Human PBK Monoclonal Antibody | anti-PBK antibody

PBK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29912	Mouse	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PBK; Monoclonal Antibody; PBK Antibody; 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; anti-PBK antibody

PRODUCT SPECIFICATIONS

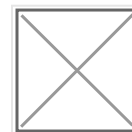
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	E11-C8
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PBK antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500 IHC: 1:100-1:500 ICC: 1:100-1:500 FC/FACS: 1:100-1:200
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

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).



ICC (Immunocytochemistry)

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.

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

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

**WB (Western Blot)**

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

**WB (Western Blot)**

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

ADDITIONAL INFORMATION

Related Product Information for anti-PBK antibody	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.
Product Categories/Family for anti-PBK antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490991
NCBI GeneID	55872
NCBI Accession #	NP_060962.2
NCBI GenBank Nucleotide #	NM_018492.2
UniProt Accession #	Q96KB5 ; Q9NPD9 ; Q9NYL7 ; Q9NZK6 ; D3DST2
Molecular Weight	36,085 Da
NCBI Official Full Name	lymphokine-activated killer T-cell-originated protein kinase
NCBI Official Synonym Full Names	PDZ binding kinase
NCBI Official Symbol	PBK
NCBI Official Synonym Symbols	SPK; CT84; TOPK; Nori-3
NCBI Protein Information	lymphokine-activated killer T-cell-originated protein kinase; PDZ-binding kinase; cancer/testis antigen 84; MAPKK-like protein kinase; serine/threonine protein kinase; T-LAK cell-originated protein kinase; spermatogenesis-related 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/monoclonal/pbk-antibody-clone-e11-c8-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29912>