

Mouse anti-Human, Rat PBK/TOPK Monoclonal Antibody | anti-PBK/TOPK antibody

Anti-PBK/TOPK Mouse mAb

CATALOG # AAA14113	HOST Mouse	REACTIVITY Human, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PBK/TOPK; Monoclonal Antibody; Anti-PBK/TOPK Mouse mAb; Cancer/testis antigen 84; CT84; Epididymis luminal protein 164; FLJ14385; HEL164; Lymphokine activated killer T cell originated protein kinase; Lymphokine-activated killer T-cell-originated protein kinase; MAPKK like protein kinase; MAPKK-like protein kinase; Nori 3; Nori-3; Nori3; PBK; PDZ binding kinase; PDZ-binding kinase; Serine/threonine protein kinase; Spermatogenesis related protein kinase; Spermatogenesis-related protein kinase; SPK; T LAK cell originated protein kinase; T-LAK cell-originated protein kinase; TOPK; TOPK_HUMAN; anti-PBK/TOPK antibody

PRODUCT SPECIFICATIONS

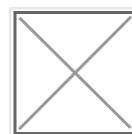
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	4F8-C6-A10
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	333
Applicable Applications for anti-PBK/TOPK antibody	WB (Western Blot)
Immunogen	Purified recombinant fragment of human PBK expressed in E Coli.
Sequence Similarities	Contains 1 protein kinase domain.
Subunit Structure	Interacts with DLG1 and TP53.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded colon cancer tissues using PBK mouse mAb with DAB staining.



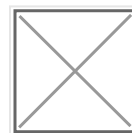
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using PBK mouse mAb with DAB staining.



FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells using PBK mouse mAb (green) and negative control (red).



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using PBK mouse mAb (green). Blue

**WB (Western Blot)**

Western blot analysis using PBK mouse mAb against A431 (1) cell lysate.

**WB (Western Blot)**

Western blot detection of PBK/TOPK in Jurkat, A549, MCF7, C6 and Hela cell lysates using PBK/TOPK mouse mAb (1:5000 diluted). Predicted band size: 36KDa. Observed band size: 40KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PBK/TOPK antibody

Entrez Summary: This genes encodes a serine/threonine kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. This mitotic kinase may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis.

UniPort Summary Function: Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.

NCBI AND UNIPROT INFORMATION

NCBI GI #	525507092
NCBI GeneID	55872
NCBI Accession #	NP_001265874.1
NCBI GenBank Nucleotide #	NM_001278945.1
UniProt Accession #	Q96KB5 ; Q9NPD9 ; Q9NYL7 ; Q9NZK6 ; B4DX68 ; D3DST2
Molecular Weight	40kDa
NCBI Official Full Name	lymphokine-activated killer T-cell-originated protein kinase isoform 2
NCBI Official Synonym Full Names	PDZ binding kinase
NCBI Official Symbol	PBK
NCBI Official Synonym Symbols	SPK; CT84; TOPK; HEL164; Nori-3
NCBI Protein Information	lymphokine-activated killer T-cell-originated protein kinase
UniProt Protein Name	Lymphokine-activated killer T-cell-originated protein kinase
UniProt Gene Name	PBK
UniProt Synonym Gene Names	TOPK; CT84; SPK

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-topk-antibody-clone-4f8-c6-a10-western-blot-elisa/14113>