

Rabbit anti-Human, Mouse Pbk Polyclonal Antibody | anti-Pbk antibody

Mouse Pbk Antibody (N-term)

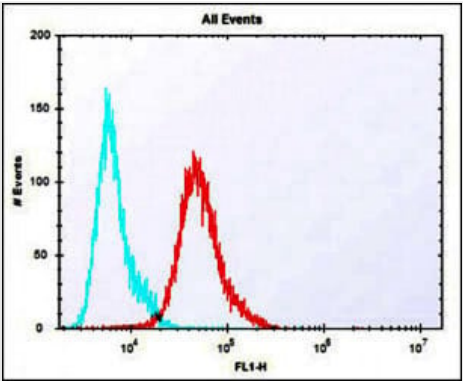
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289114	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

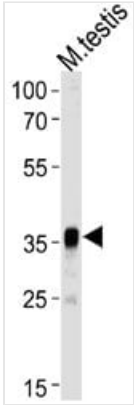
Pbk; Polyclonal Antibody; Mouse Pbk Antibody (N-term); Lymphokine-activated killer T-cell-originated protein kinase; PDZ-binding kinase; T-LAK cell-originated protein kinase; Topk; anti-Pbk antibody

PRODUCT SPECIFICATIONS

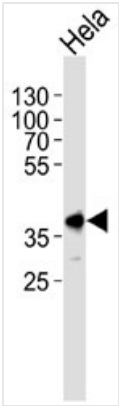
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Pbk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-86 amino acids from the N-terminal region of mouse Pbk.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	58-86
Sequence Length	330
Applicable Applications for anti-Pbk antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



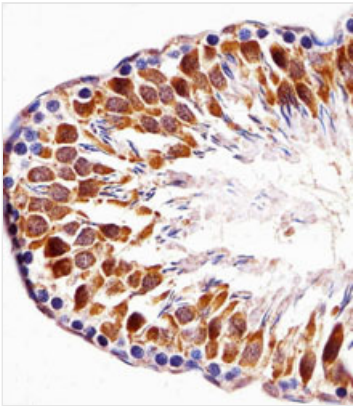
FCM/FACS (Flow Cytometry)
Overlay histogram showing A431 cells stained with AAA289114 (red line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA289114, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1μg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



WB (Western Blot)
Western blot analysis of lysate from mouse testis tissue lysate, using Mouse Pbk Antibody (N-term). AAA289114 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysate from Hela cell line, using Mouse Pbk Antibody (N-term). AAA289114 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded R. testis section using Mouse Pbk Antibody(N-term). AAA289114 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-Pbk antibody	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 (By similarity).
Product Categories/Family for anti-Pbk antibody	Crown Antibodies; Cancer; Developmental Biology; Metabolism; Neuroscience; Signal Transduction
References	Zykova, T.A., et al. Clin. Cancer Res. 12(23):6884-6893(2006) Fujibuchi, T., et al. Dev. Growth Differ. 47(9):637-644(2005) Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) : Visel, A., et al. Nucleic Acids Res. 32 (DATABASE ISSUE), D552-D556 (2004) : Easterday, M.C., et al. Dev. Biol. 264(2):309-322(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	12963575
NCBI GeneID	52033
NCBI Accession #	NP_075698.1

NCBI GenBank Nucleotide #	NM_023209.2
UniProt Accession #	Q9JJ78 ; Q922V2 ; Q9D184
Molecular Weight	36745
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	TOPK; AW538537; D14Erttd732e; 2810434B10Rik
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
UniProt Entry Name	TOPK_MOUSE

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/polyclonal/pbk-antibody-flow-cytometry-western-blot-immunohistochemistry-elisa/289114>