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Mouse Pbk Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19430a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9JJ78
Other Accession	NP_075698.1
Reactivity	Human, Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40570
Calculated MW	36745
Antigen Region	58-86

Additional Information

Gene ID	52033
Other Names	Lymphokine-activated killer T-cell-originated protein kinase, PDZ-binding kinase, T-LAK cell-originated protein kinase, Pbk, Topk
Target/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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:25 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.
Precautions	Mouse Pbk Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Pbk
Synonyms	Topk

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 (By similarity).

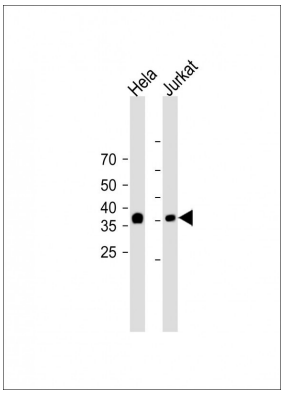
Background

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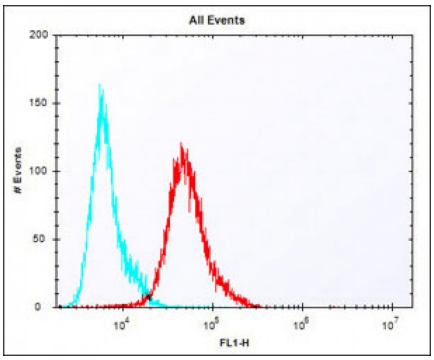
References

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Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) :
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Easterday, M.C., et al. Dev. Biol. 264(2):309-322(2003)

Images

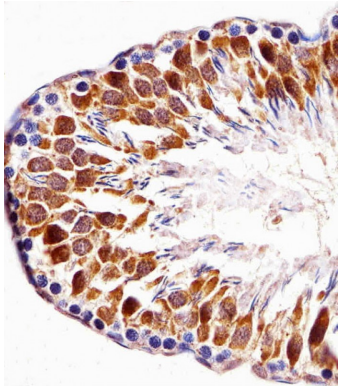


All lanes: Anti-Mouse Pbk Antibody(N-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 36. 7 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing A431 cells stained with AP19430a (red line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP19430a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit lgG (H+L) (1583138) at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Immunohistochemical analysis of paraffin-embedded R. testis section using Mouse Pbk Antibody(N-term)(Cat#AP19430a). AP19430a was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.