

Product datasheet for **TA302075S**

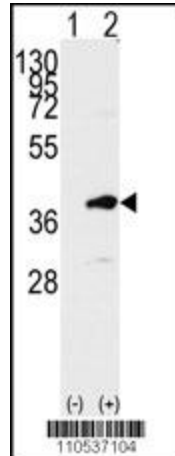
PBK Rabbit Polyclonal Antibody

Product data:

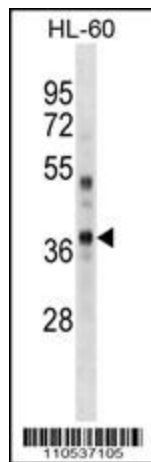
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:10~50
Reactivity:	Human (Predicted: Mouse)
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This PBK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-317 amino acids from the C-terminal region of human PBK.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36085 Da
Gene Name:	PDZ binding kinase
Database Link:	NP_060962 Entrez Gene 52033 Mouse Entrez Gene 55872 Human Q96KB5
Background:	PBK is 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.
Synonyms:	CT84; HEL164; Nori-3; SPK; TOPK
Protein Families:	Druggable Genome, Protein Kinase



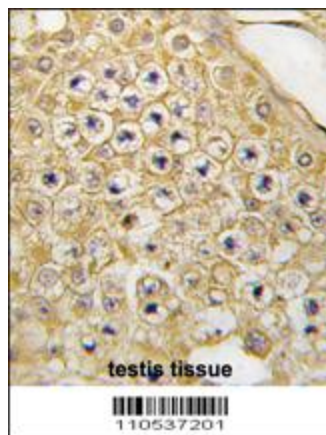
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Product images:


Western blot analysis of PBK (arrow) using rabbit polyclonal PBK Antibody (C-term C300) (Cat.# [TA302075]).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PBK gene (Lane 2) (Origene Technologies).



PBK/TOPK Antibody (Mouse C-term) (Cat. # [TA302075]) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the PBK/TOPK antibody detected the PBK/TOPK protein (arrow).



Formalin-fixed and paraffin-embedded human testis tissue reacted with PBK Antibody (C-term C300) (Cat.#[TA302075]), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.