PBK Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	PBK, Polyclonal Antibody
Full Product Name	PBK (phospho Thr9) Polyclonal Antibody
Product Gene Name	anti-PBK antibody
Clonality	Polyclonal
Molecular Weight	37,211 Da
OMIM	611210
3D Structure	ModBase 3D Structure for Q96KB5
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-PBK antibody	MBS8520104 is an antibody targeting PBK. Also known as PBK (phospho Thr9) Polyclonal Antibody.
Other Notes	Small volumes of anti-PBK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PBK. It may not necessarily be applicable to this product.

NCBI GI #	525507092
NCBI GeneID	55872
NCBI Accession #	NP_001265874.1
UniProt Primary Accession #	Q96KB5
UniProt Secondary Accession #	Q9NPD9; Q9NYL7; Q9NZK6; B4DX68; D3DST2
UniProt Related Accession #	Q96KB5
GenBank Nucleotide #	NM_001278945.1
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
UniProt Protein Name	Lymphokine-activated killer T-cell-originated protein kinase
UniProt Synonym Protein Names	Cancer/testis antigen 84; CT84; MAPKK-like protein kinase; Nori-3; PDZ-binding kinase; Spermatogenesis-related protein kinase; SPK; T-LAK cell-originated protein kinase
Protein Family	Lymphokine-activated killer T-cell-originated protein kinase
UniProt Gene Name	PBK
UniProt Synonym Gene Names	TOPK; CT84; SPK
NCBI Protein Information	lymphokine-activated killer T-cell-originated protein kinase

NCBI Summary for PBK	This gene encodes a serine/threonine protein kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. The encoded protein may be involved in the activation of lymphoid cells and support testicular functions, with a suggested role in the process of spermatogenesis. Overexpression of this gene has been implicated in tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
UniProt Comments for PBK	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.
Research Articles on PBK	**1.** our study provide convincing evidences that FoxM1-regulated PBK exerts oncogenic activities towards HCC via the activation of beta-Catenin pathway.
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