

Product datasheet

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ARG57923 anti-PBK / TOPK phospho (Thr9) antibody

Rabbit

Package: 100 μl Store at: -20°C

Summary

Host

Product Description Rabbit Polyclonal antibody recognizes PBK / TOPK phospho (Thr9)

Tested Reactivity Hu
Tested Application WB

Clonality Polyclonal

Isotype IgG

Target Name PBK / TOPK

Species Human

Immunogen KLH-conjugated phospho peptide corresponding to 2-35 amino acids from Human PBK / TOPK.

Conjugation Un-conjugated

Alternate Names T-LAK cell-originated protein kinase; Nori-3; Spermatogenesis-related protein kinase; PDZ-binding

kinase; EC 2.7.12.2; Lymphokine-activated killer T-cell-originated protein kinase; HEL164; SPK; TOPK;

MAPKK-like protein kinase; Cancer/testis antigen 84; CT84

Application Instructions

Application table	Application	Dilution
	WB	1:4000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa + Nocodazole	

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol PBK

Gene Full Name PDZ binding kinase

Background 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]

Function Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the

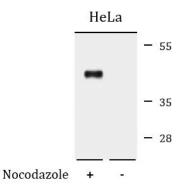
activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.

[UniProt]

Calculated Mw 36 kDa

PTM Phosphorylated; in a cell-cycle dependent manner at mitosis. [UniProt]

Images



ARG57923 anti-PBK / TOPK phospho (Thr9) antibody WB image

Western blot: HeLa cells untreated (right) or treated with Nocodazole at 100 ng/ml (left), and stained with ARG57923 anti-PBK / TOPK phospho (Thr9) antibody.