ARG57922
anti-PBK / TOPK antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PBK / TOPK
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PBK / TOPK
Species	Mouse
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 58-86 (N-terminus) of Mouse Pbk.
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
IHC-P	1:25
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

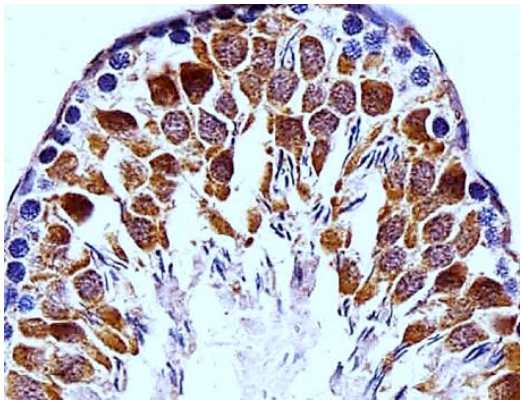
Properties

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

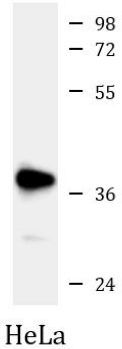
Gene Symbol	PBK
Gene Full Name	PDZ binding kinase
Background	This gene encodes a serine/threonine protein kinase related to the dual specific mitogen-activated protein kinase kinase (MAPKK) family. Evidence suggests that mitotic phosphorylation is required for its catalytic activity. The encoded protein 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



ARG57922 anti-PBK / TOPK antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat testis tissue stained with ARG57922 anti-PBK / TOPK antibody at 1:25 dilution.



ARG57922 anti-PBK / TOPK antibody WB image

Western blot: 35 µg of HeLa cell lysate stained with ARG57922 anti-PBK / TOPK antibody at 1:1000 dilution.