

For Research Use Only

PLK4 Polyclonal antibody

Catalog Number: 12952-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number: 12952-1-AP	GenBank Accession Number: BC036023	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 10733	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: polo-like kinase 4 (Drosophila)	
Isotype: IgG	Calculated MW: 970 aa, 109 kDa	
Immunogen Catalog Number: AG3605	Observed MW: 105-112 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse lung tissue, MCF-7 cells, A549 cells

IHC: mouse testis tissue, human lung cancer tissue, human cervical cancer tissue

Background Information

PLK4(Polo-like kinase 4) is also named SAK, STK18 and belongs to the Ser/Thr protein kinase family. It plays a central role in centriole duplication and is a kinase implicated in tumor development, which is an upstream regulator of canonical biogenesis necessary for centriole formation. It has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Nanako Hamada	36067731	Dev Neurosci	WB,IHC,IF
Yarong Zheng	33416109	Int J Mol Med	WB,IF
Yongqu Lu	33134313	Front Mol Biosci	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

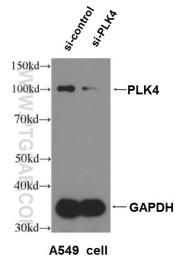
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

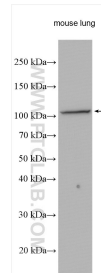
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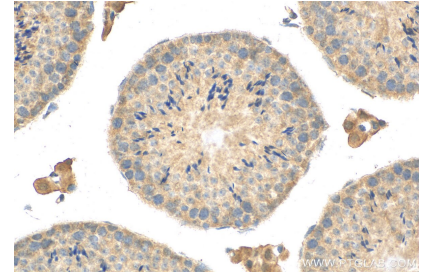
Selected Validation Data



WB result of PLK4 antibody (12952-1-AP, 1:2000) with si-control and si-PLK4 transfected A549 cells.



mouse lung tissue were subjected to SDS PAGE followed by western blot with 12952-1-AP (PLK4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12952-1-AP (PLK4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).