

For Research Use Only

# PLK3 Polyclonal antibody

Catalog Number: 10977-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

10977-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1431

### GenBank Accession Number:

BC013899

### GeneID (NCBI):

1263

### UNIPROT ID:

Q9H4B4

### Full Name:

polo-like kinase 3 (Drosophila)

### Calculated MW:

72 kDa

### Observed MW:

72 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC: 1:50-1:500

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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:

IHC : human liver cancer tissue, mouse testis tissue

## Background Information

PLK3(Polo-like kinase 3) is also named as CNK, FNK, PRK and belongs to the protein kinase superfamily. It is involved in the regulation of DNA damage checkpoint as well as in M-phase function. Plk3 physically interacts with p53 and phosphorylates this tumor suppressor protein on serine-20, suggesting that the role of Plk3 in cell cycle progression is mediated, at least in part, through direct regulation of p53(PMID:12548019).

## Notable Publications

Author	Pubmed ID	Journal	Application
Tianyu Wu	36395215	Science	IF
Lata Singh	25754767	Clin Experiment Ophthalmol	IHC
Benjamin Juntermanns	25818805	Liver Int	IHC

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

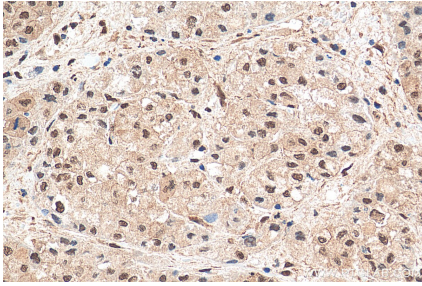
For technical support and original validation data for this product please contact:

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

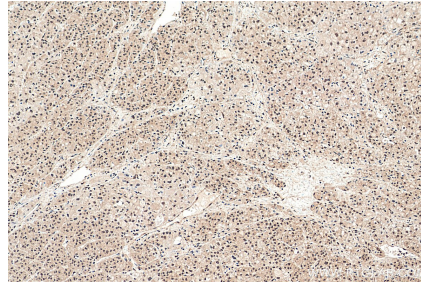
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10977-1-AP (PLK3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10977-1-AP (PLK3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).