

For Research Use Only

# PLK3 Polyclonal antibody

Catalog Number: 10977-1-AP

Featured Product

5 Publications



## Basic Information

**Catalog Number:**

10977-1-AP

**Size:**

600 µg/ml

**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 1:10-1:100

## Applications

**Tested Applications:**

IHC, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**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 colon cancer 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
Fingas Christian D CD	23703673	Hepatology	WB, IHC
Lata Singh	25754767	Clin Experiment Ophthalmol	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

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

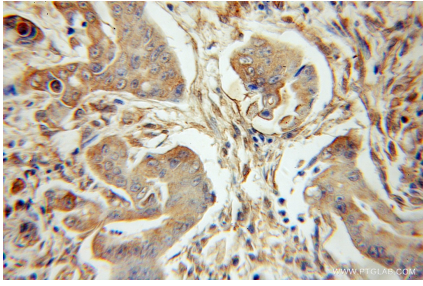
T: 4006900926

E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10977-1-AP (PLK3 antibody) at dilution of 1:10 (under 10x lens).