

For Research Use Only

# PLK3 Polyclonal antibody

Catalog Number: 30486-1-AP



## Basic Information

<b>Catalog Number:</b> 30486-1-AP	<b>GenBank Accession Number:</b> BC013899	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1263	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H4B4	
<b>Isotype:</b> IgG	<b>Full Name:</b> polo-like kinase 3 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG33186	<b>Calculated MW:</b> 72 kDa	
	<b>Observed MW:</b> 72 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IP, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, K-562 cells, NCI-H1299 cells, U2OS cells IP : HeLa cells, IHC : human colon tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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).

## Storage

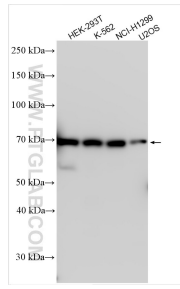
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

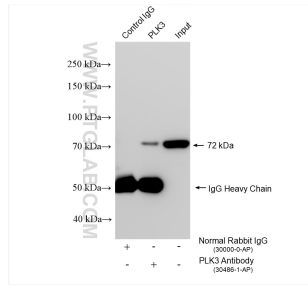
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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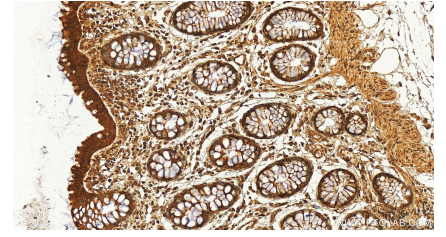
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30486-1-AP (PLK3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-PLK3 (IP:30486-1-AP, 4ug; Detection:30486-1-AP 1:500) with HeLa cells lysate 1750 ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 30486-1-AP (PLK3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).