

## PLK3 Polyclonal Antibody

Catalog number: 10977-1-AP

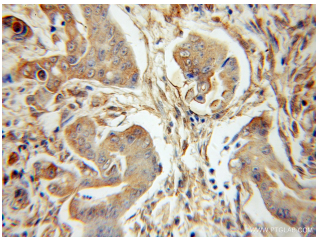
Size: 49 µg/150 µl

Source: Rabbit

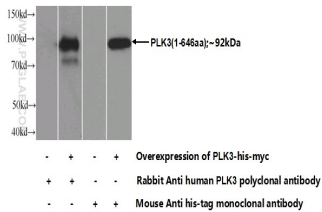
Isotype: IgG

Synonyms:

PLK3; CNK, FGF inducible kinase, FNK, PLK 3, PLK3, Polo like kinase 3, PRK, Proliferation related kinase



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



Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 10977-1-AP ( PLK3 Antibody) at dilution of 1:1000

### Background

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).

### Applications

Tested applications:	ELISA, IHC, WB
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated PLK3 MW:	72 kDa
Observed PLK3 MW:	72 kDa
Positive WB detected in	Transfected HEK-293 cells
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1431
GenBank accession number:	BC013899
Gene ID (NCBI):	1263
Full name:	Polo-like kinase 3 (Drosophila)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.