

For Research Use Only

PLK3 Polyclonal antibody

Catalog Number: 30486-1-AP



Basic Information

Catalog Number:

30486-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33186

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:

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

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

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:

WB : HEK-293T cells, K-562 cells, NCI-H1299 cells, U2OS cells

IP : HeLa cells,

IHC : human colon 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).

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:

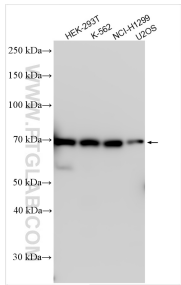
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E: Proteintech-CN@ptglab.com

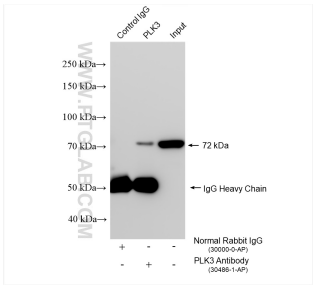
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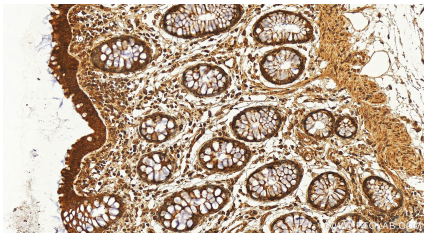
Selected Validation Data



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).