

For Research Use Only

PLK1 Polyclonal ANTIBODY

Catalog Number: 10305-1-AP



Basic Information

Catalog Number:
10305-1-AP

Size:
24 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification
Immunogen Catalog Number:
AG0284

GenBank Accession Number:
BC002369

GeneID (NCBI):
5347

Full Name:
polo-like kinase 1 (Drosophila)

Calculated MW:
68 kDa

Observed MW:
62 kDa

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:20-1:200

Applications

Tested Applications:
ELISA, IHC, WB
Species Specificity:
human,mouse,rat

Positive Controls:

WB : A375 cells; COLO 320 cells, MDA-MB-453s cells

IHC : human cervical cancer tissue; human cervical cancer tissue, human placenta tissue

Background Information

PLK1, also named as PLK and STPK13, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and CDC5/Polo subfamily. PLK1 is a Serine/threonine-protein kinase that performs several important functions throughout M phase of the cell cycle, including the regulation of centrosome maturation and spindle assembly, the removal of cohesins from chromosome arms, the inactivation of APC/C inhibitors, and the regulation of mitotic exit and cytokinesis.

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

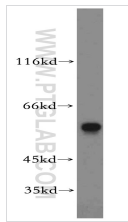
For technical support and original validation data for this product please contact:

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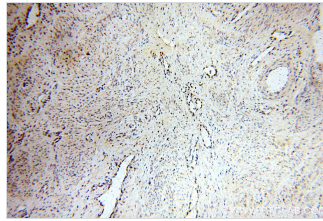
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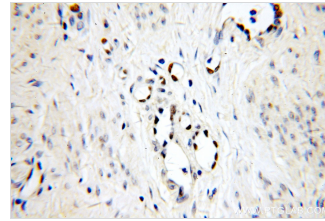
Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 10305-1-AP(PLK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemical of paraffin-embedded human cervical cancer using 10305-1-AP(PLK1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human cervical cancer using 10305-1-AP(PLK1 antibody) at dilution of 1:50 (under 40x lens)