

For Research Use Only

Phospho-PLK1 (Ser326) Polyclonal antibody



Catalog Number: 19553-1-AP

2 Publications

Basic Information

Catalog Number: 19553-1-AP	GenBank Accession Number: NM_005030	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 366 µg/ml by Nanodrop and 366 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5347	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: polo-like kinase 1 (Drosophila)	
Isotype: IgG	Calculated MW: 68 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : MCF-7 cells, IHC : human colon tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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. The antibody is specific to Ser(326)-phospho.

Notable Publications

Author	Pubmed ID	Journal	Application
Momoka Ota	34333065	Toxicol Lett	WB
Jia-Feng Tang	33548212	Arch Biochem Biophys	WB

Storage

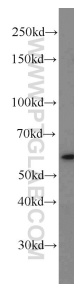
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

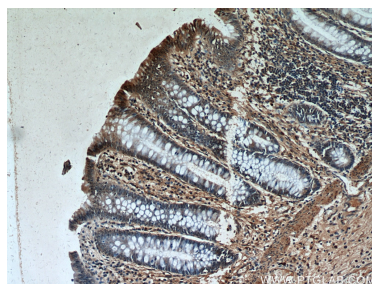
For technical support and original validation data for this product please contact:
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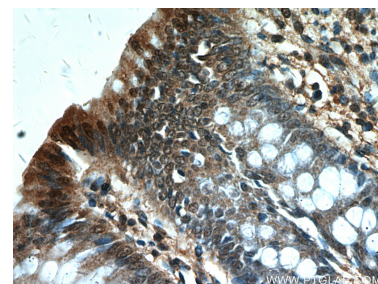
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 19553-1-AP (PLK1-phospho(S326) antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon using 19553-1-AP (PLK1-phospho(S326) antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 19553-1-AP (PLK1-phospho(S326) antibody) at dilution of 1:50 (under 40x lens).