

Product Name: PLK1 Mouse Monoclonal Antibody
Catalog #: AMM81162



Summary

Production Name	PLK1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	PLK1
Alternative Names	PLK;STPK13
Gene ID	5347.0
SwissProt ID	P53350.Purified recombinant fragment of human PLK1 (AA: 331-508) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:100-1:500,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	68kDa

Background

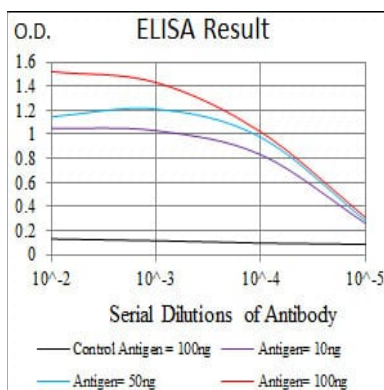
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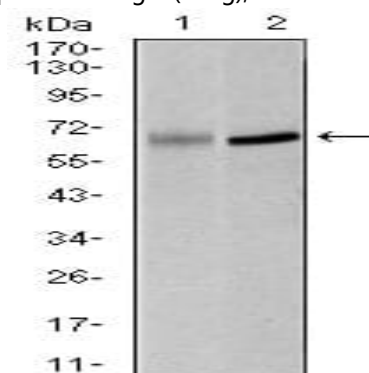
Polo-like kinase 1 (Plk1) plays key roles in many aspects of mitosis. Suppression of Plk1 by p21(Waf1) is responsible for p53-dependent protection against adriamycin-induced caspase-independent mitotic death.

Research Area

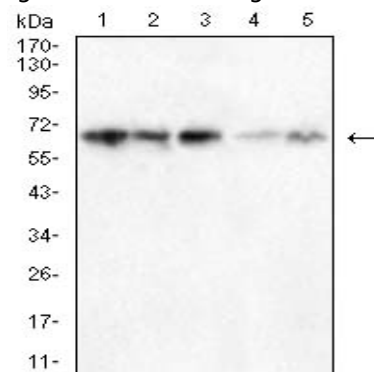
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

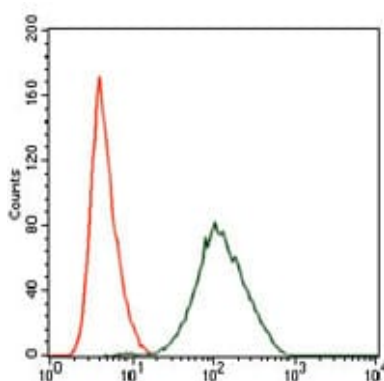


Western blot analysis using PLK1 mouse mAb against K562 (1) and Raji (2) cell lysate.

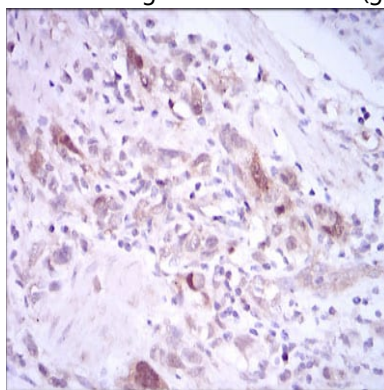


Western blot analysis using PLK1 mouse mAb against NIH/3T3(1)NRK(2)C6(3)COS-7(4)CHO3D10(5) cell lysate.

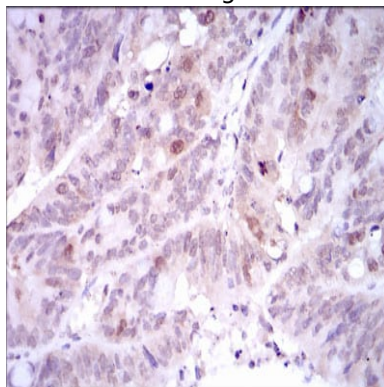
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Flow cytometric analysis of NIH3T3 cells using PLK1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using PLK1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using PLK1 mouse mAb with DAB staining.

Note

For research use only.