



PLK1 Mouse mAb(Mix-mA)

Catalog No BYab-04826 Isotype IgG Reactivity Human; Mouse;Rat Applications IHC:WB Gene Name PLK1 PLK Protein Name PLK1 Immunogen Synthesized peptide derived from human PLK1 Specificity This antibody detects endogenous levels of PLK1 at Human, Mouse, Rat Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.68% sodium azide. Source Monoclonal, Mouse Purification The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. Dilution IHC-p1:50-200 ,WB 1:1000-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Serine/threonine-protein kinase PLK1 (EC 2.7.11.21) (Polo-like kinase 1) (PLK-1) (Serine/threonine-protein kinase 13) (STPK13) Observed Band 62kD Cell Pathway Nucleus Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle, Midbody. Iocalization at the centrosome is Text at the G1/S transition (PubMed:24018379). During early stages of mitosis, the phosphorylated form is detected on centrosomes and kinetochores. Localizes to the outer kinetochore (PubMed:24018379). During early stages of mit		
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	Tissue Specificity	i lacerità and colon.

Nanjing BYabscience technology Co.,Ltd

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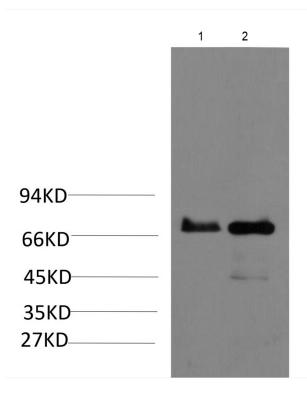


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	nearly undetectable level following mitosis and throughout G1 phase, and then begins to accumulate again during S phase.,enzyme regulation:Activated by serine and threonine phosphorylation.,function:Serine/threonine-protein kinase that performs several 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.,induction:By growth-stimulating agents.,PTM:Autophosphorylation and phosphorylation of Ser-137 are not significant events during activation of PLK1 in M phase.,PTM:Catalytic activity is enhanced by phosphorylation of Thr-210 and/or S
Background	The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and elevated levels are found in many different types of cancer. Depletion of this protein in cancer cells dramatically inhibited cell proliferation and induced apoptosis; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of 1) PC12 Cell, 2) HepG2 Cell Lysate using PLK1 Mouse mAb diluted at 1:2,000.

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