



Anti-PLK1 (Serine/threonine-protein kinase PLK1) (Polo-like kinase 1) Phospho Polyclonal Antibody

Category: Phospho-Polyclonal Antibody

Catalog#: Phospho- AB1F075 (Phospho site: 210T)

Antigen Synonym: PLK

Species Reactivity: Human, mouse, rat

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-residues of human PLK1(Serine/threonine-protein kinase PLK1) (Polo-like kinase 1)

Description: PLK1(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. PLK1 is activated by serine and threonine phosphorylation. PLK1 interacts with CEP170 and EVI5. PLK1 interacts and phosphorylates ERCC6L. PLK1 accumulates to a maximum during the G2 and M phases, declines to a nearly undetectable level following mitosis and throughout G1 phase, and then begins to accumulate again during S phase. Autophosphorylation and phosphorylation of Ser-137 are not significant events during activation of PLK1 in M phase.

Reference:

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