

PLK1(Phospho-T210) Rabbit mAb

Catalog No: #13421

Package Size: #13421-1 50ul #13421-2 100ul

Description

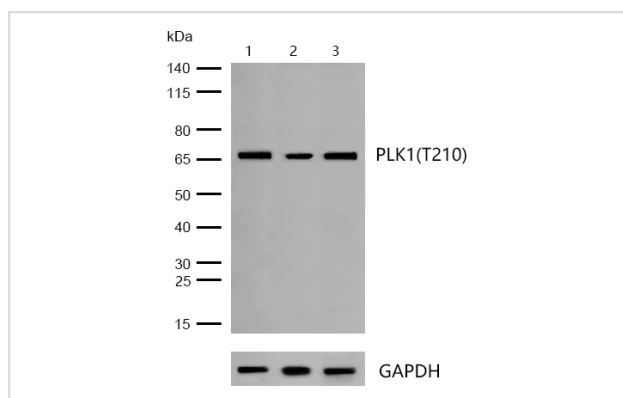
Product Name	PLK1(Phospho-T210) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	JJ080-9
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Thr210 of human PLK1.
Conjugates	Unconjugated
Other Names	Cell cycle regulated protein kinase antibody PLK 1 antibody PLK antibody PLK-1 antibody plk1 antibody PLK1_HUMAN antibody Polo like kinase 1 antibody Polo-like kinase 1 antibody Serine/threonine protein kinase 13 antibody Serine/threonine protein kinase PLK1 antibody Serine/threonine-protein kinase 13 antibody Serine/threonine-protein kinase PLK1 antibody STPK 13 antibody STPK13 antibody
Accession No.	Swiss-Prot#:P53350
Calculated MW	Predicted band size: 68 kDa
SDS-PAGE MW	Observed band size: 68 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

Images



All lanes : PLK1(Phospho-T210) Rabbit mAb at 1/500 dilution

Lane 1 : HeLa whole cell lysates

Lane 2 : PC12 whole cell lysates

Lane 3 : Mouse cerebellum lysates

Lysates/proteins at 20 µg per lane.

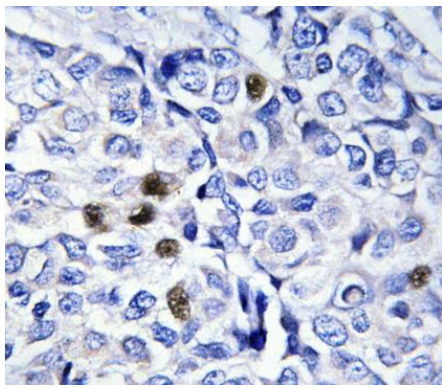
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 68 kDa

Observed band size: 68 kDa

Exposure time: 12 seconds



Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for PLK1 (Phospho-T210) using 13421 at 1/100 dilution in immunohistochemical analysis.

Background

Plk (for polo-like kinase) encodes a serine/threonine kinase that is closely related to polo and CDC5, genes that are required for passage through mitosis in *Drosophila* and *Saccharomyces*, respectively. Polo and CDC5 both code for proteins that are involved in regulating the function of the mitotic spindle. Plk protein accumulates in the cell during the S and G2 phases of the cell cycle and both protein content and catalytic activity peak at the onset of mitosis, followed by a rapid reduction after mitosis. Plk expression is detectable in mitotically active tissues such as colon and placenta, as well as in tumors of various origins. It has also been suggested that Plk may serve as a marker of cell proliferation. The phosphorylation of mouse, rat and human Plk on Thr 210 enhances Plk catalytic activity.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.