Product Datasheet

Phospho-PLK1(T210) Rabbit mAb

Catalog No: #13421

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

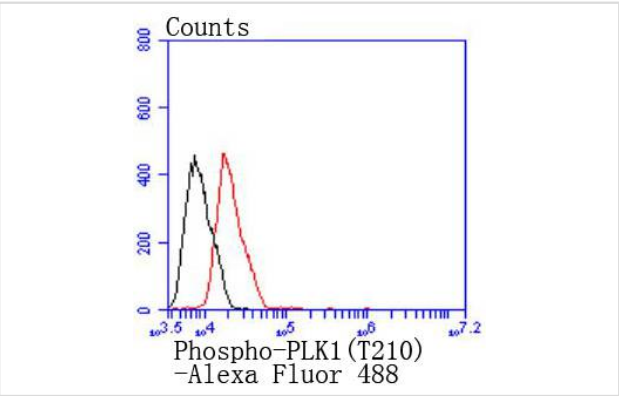
Description

Product Name	Phospho-PLK1(T210) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	JJ080-9
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Thr210 of human PLK1.
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
Uniprot	P53350
GeneID	5347;
Calculated MW	68 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1,000 ICC: 1:10-1:50FC: 1:10-1:50

Images



Flow cytometric analysis of MCF-7 cells with Phospho-PLK1(T210) antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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.

References

Note: This product is for in vitro research use only