Recombinant DGRmAb®

PLK1 (DGR14228) Rabbit mAb

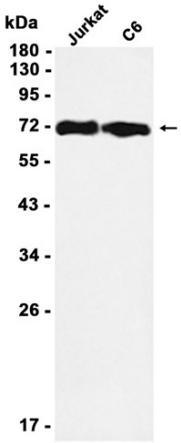
db11470 **Package : 10μL 20μL 50μL 100μL**

Product Name : PLK1 (DGR14228) Rabbit mAb
Cat.No.: db11470
Synonyms : PLK; STPK13
Application : WB, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

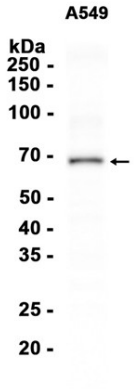
Background	The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and elevated levels are found in many different types of cancer. Depletion of this protein in cancer cells dramatically inhibited cell proliferation and induced apoptosis; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015]
Immunogen	A synthetic peptide of human PLK1
Gene ID	5347
Swiss Prot	P53350
Synonyms	PLK; STPK13
Reactivity	Human
Application	WB, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 ICC/IF: 1:200-1:500 FC: 1:50-1:100 IP: 1:20-1:50
Calculated MW	68 kDa
Observed MW	68 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14228
Isotype	IgG
Purity	Affinity Purification

Conjugation Un-conjugated

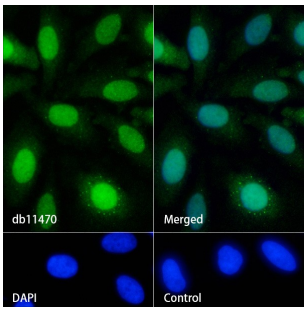
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Jurkat, C6 cells using db11470 at 1:1000.



Western blot analysis of extracts from A549 cells using db11470 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling PLK1 with db11470.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11470 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.