bs-3345R

[Primary Antibody]

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phospho-PLK1 (Ser137) Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 5347 **SWISS:** P53350

Target: PLK1 (Ser137)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

PLK1 around the phosphorylation site of Ser137: R(p-S)LL.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

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]

Applications: WB (1:500-1000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500) Flow-Cyt (2ug/Test)

Reactivity: Human, Rat

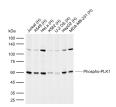
(predicted: Mouse, Rabbit, Pig, Cow, Chicken, Dog)

Predicted MW.: 68 kDa

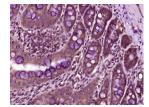
Subcellular

Location: Cytoplasm ,Nucleus

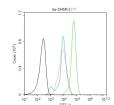
VALIDATION IMAGES



Sample: Lane 1: Human Jurkat cell lysates Lane 2: Human A549 cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human K562 cell lysates Lane 5: Human U-2 OS cell lysates Lane 6: Human HepG2 cell lysates Lane 7: Human MDA-MB-231 cell lysates Primary: Anti-Phospho-PLK1 (Ser137) (bs-3345R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kDa Observed band size: 60 kDa



Paraformaldehyde-fixed, paraffin embedded (rat colon tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLK1 (Ser137)) Polyclonal Antibody, Unconjugated (bs-3345R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (black line) :Hela. Primary Antibody (green line): Rabbit Anti-Phospho-PLK1 (Ser137) antibody (bs-3345R) Dilution:2ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange line): Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.