## bs-12904R

## [ Primary Antibody ]

## phospho-c-Abl (Ser569) Rabbit pAb



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DATASHEET

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 25 **SWISS:** P00519

Target: c-Abl (Ser569)

Immunogen: KLH conjugated synthetic peptide derived from human c-Abl: AV(p-

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 ABL1 protooncogene encodes a cytoplasmic and nuclear protein tyrosine kinase that has been implicated in processes of cell differentiation, cell division, cell adhesion, and stress response. Activity of c-Abl protein is negatively regulated by its SH3 domain, and deletion of the SH3 domain turns ABL1 into an oncogene. The t(9;22) translocation results in the head-to-tail fusion of the BCR (MIM:151410) and ABL1 genes present in many cases of chronic myelogeneous leukemia. The DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDC2mediated phosphorylation, suggesting a cell cycle function for ABL1. The ABL1 gene is expressed as either a 6- or 7-kb mRNA transcript, with alternatively spliced first exons spliced to the common exons 2-11. [provided by RefSeq].

Applications: WB (1:500-2000)

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

Reactivity: Human (predicted: Pig.

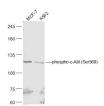
Sheep, Cow, Horse)

Predicted MW.: 123 kDa

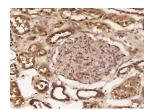
Subcellular Cell membrane ,Cytoplasm

Location: , Nucleus

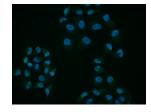
## VALIDATION IMAGES



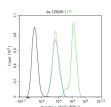
Sample: MCF-7(Human) Cell Lysate at 30 ug K562(Human) Cell Lysate at 30 ug Primary: Antiphospho-c-Abl (Ser569) (bs-12904R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 123 kD Observed band size: 123 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney 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 (c-Abl (Ser569)) Polyclonal Antibody, Unconjugated (bs-12904R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min: Antibody incubation with (phospho-c-Abl (Ser569)) polyclonal Antibody, Unconjugated (bs-12904R) 1:100. 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control (black line) :Hela. Primary

Antibody (green line): Rabbit Anti-phospho-c-Abl (Ser569) antibody (bs-12904R) Dilution:1ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488 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.