

phospho-Src (Tyr418) Rabbit pAb

Catalog Number: bs-3426R

Target Protein: phospho-Src (Tyr418)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/test)

Reactivity: Human, Mouse, Rat (predicted:Pig, Sheep, Chicken)

Predicted MW: 60 kDa

Entrez Gene: 20779

Swiss Prot: P05480

Source: KLH conjugated Synthesised phosphopeptide derived from mouse Src around the phosphorylation site of Tyr418: NE(p-Y)TA.

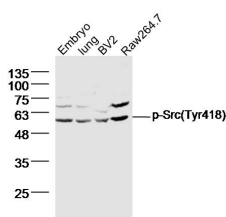
Purification: affinity purified by Protein A

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

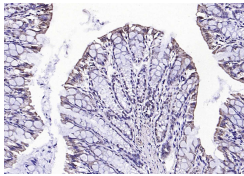
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

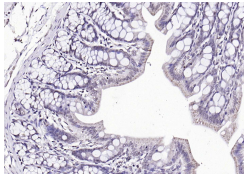
VALIDATION IMAGES



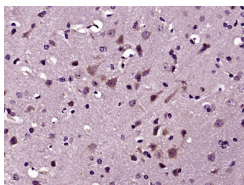
Sample: Embryo (Mouse) Lysate at 40 ug Lung (Mouse) Lysate at 40 ug BV2 Cell (Mouse) Lysate at 40 ug Raw264.7 Cell (Mouse) Lysate at 40 ug
Primary: Anti- phospho-Src (Tyr418) (bs-3426R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60 kD Observed band size: 60 kD



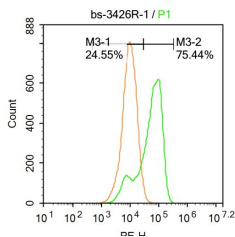
Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Src (Tyr418)) Polyclonal Antibody, Unconjugated (bs-3426R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat colon); 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 (Src (Tyr418)) Polyclonal Antibody, Unconjugated (bs-3426R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain 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 (Src (Tyr418)) Polyclonal Antibody, Unconjugated (bs-3426R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control:A549. Primary Antibody (green line): Rabbit Anti-phospho-Src (Tyr418) antibody (bs-3426R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.288] Zeng J et al. Aggregation of lipid rafts activates c-met and c-Src in non-small cell lung cancer cells.BMC Cancer. 2018 May 30;18(1):611. WB ; Human . 29848294

[IF=2.826] Yingmin Liu. et al. LOXL2 promotes tumor proliferation and metastasis by FAK/Src signaling in esophageal squamous cell carcinoma. ELECTRON J BIOTECHN. 2023 Apr;; WB ; Human . 10.1016/j.ejbt.2023.01.002