

S100P binding protein Rabbit pAb

Catalog Number: bs-6577R

Target Protein: S100P binding protein

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse (predicted:Rat)

Predicted MW: 46 kDa

Entrez Gene: 64766

Swiss Prot: Q96BU1

Source: KLH conjugated synthetic peptide derived from human S100PBP: 331-408/408.

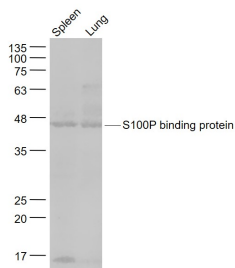
Purification: affinity purified by Protein A

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

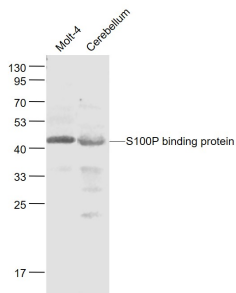
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: S100PBP was originally cloned from a pancreatic epithelioid carcinoma library and encodes a predicted 408 amino acid protein. RT-PCR detected S100PBP expression in brain, breast, spleen, and lung, but not in pancreas and liver. GFP-tagged S100PBP localized to nuclei of transfected HeLa cells.

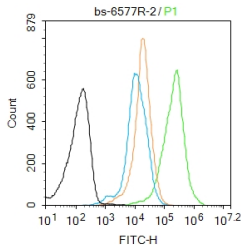
VALIDATION IMAGES



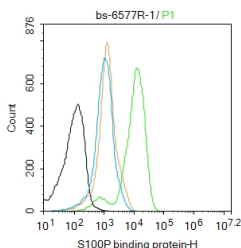
Sample: Spleen (Mouse) Lysate at 40 ug Lung (Mouse) Lysate at 40 ug Primary: Anti- S100P binding protein (bs-6577R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD



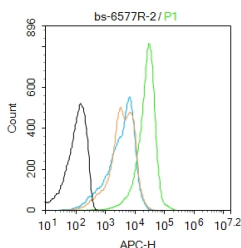
Sample: Molt-4 (Human) Lysate at 40 ug Cerebellum (Mouse) Lysate at 40 ug Primary: Anti- S100P binding protein (bs-6577R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 46 kD Observed band size: 46 kD



Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-S100P binding protein antibody (bs-6577R) Dilution: $2\mu\text{g} / 10^6$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488R Dilution: $1\mu\text{g} / \text{test}$. 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.



Blank control: K562. Primary Antibody (green line): Rabbit Anti-S100P binding protein antibody (bs-6577R) Dilution: $1\mu\text{g} / 10^6$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: $0.5\mu\text{g} / \text{test}$. 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.



Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-S100P binding protein antibody (bs-6577R) Dilution: $2\mu\text{g} / 10^6$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: $1\mu\text{g} / \text{test}$. 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=2.677] Yu Chen. et al. Effect of necrostatin-1 on sciatic nerve crush injury in rat models. J ORTHOP SURG RES. 2023 Dec;18(1):1-9 IF ;
Rat . 36717933