bs-0029R **[Primary Antibody]**

PP2A alpha + beta Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5515 **SWISS:** P62714

Target: PP2A alpha + beta

Immunogen: KLH conjugated synthetic peptide derived from human PP-2A: 205-309/309.

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: This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the catalytic subunit. [provided by RefSeq, Jul 2008].

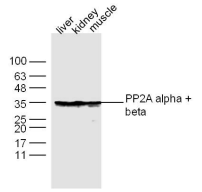
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog)

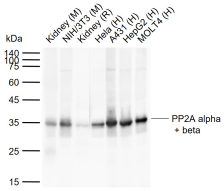
Predicted MW.: 34 kDa

Subcellular Location: Nucleus

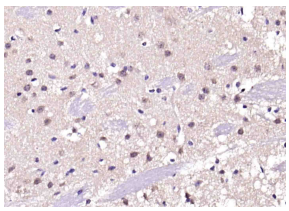
VALIDATION IMAGES



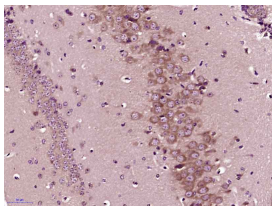
Sample: Liver (Mouse) Lysate at 30 ug Kidney (Mouse) Lysate at 30 ug Muscle (Mouse) Lysate at 30 ug Primary: Anti- PP2A alpha + beta (bs-0029R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 34 kD



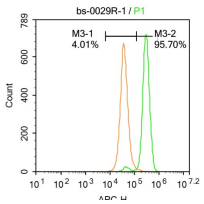
Sample: Lane 1: Mouse Kidney tissue lysates Lane 2: Mouse NIH/3T3 cell lysates Lane 3: Rat Kidney tissue lysates Lane 4: Human Hela cell lysates Lane 5: Human A431 cell lysates Lane 6: Human HepG2 cell lysates Lane 7: Human MOLT4 cell lysates Primary: Anti-PP2A alpha + beta (bs-0029R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kDa Observed band size: 34 kDa



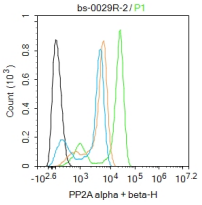
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PP2A alpha + beta) Polyclonal Antibody, Unconjugated (bs-0029R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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



Blank control: A431. Primary Antibody (green line): Rabbit Anti-PP2A alpha + beta antibody (bs-0029R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-PP2A alpha + beta antibody (bs-0029R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then

incubation with (PP2A alpha + beta) Polyclonal Antibody, Unconjugated (bs-0029R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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 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.

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SELECTED CITATIONS

- **[IF=3.7]** Lin, Lai-xiang, et al. "Feasibility of β-Sheet Breaker Peptide-H102 Treatment for Alzheimers Disease Based on β-Amyloid Hypothesis." PLoS one 9.11 (2014): e112052. IHC ;="Mouse". 25372040
- **[IF=3.33]** Zhao, Hai-hua, et al. "Involvement of GSK3 and PP2A in ginsenoside Rb1's attenuation of aluminum-induced tau hyperphosphorylation." Behavioural Brain Research (2012). WB,IHC ;="Mouse". 23219964
- **[IF=1.664]** Zhang PF et al. MicroRNA-139 suppresses hepatocellular carcinoma cell proliferation and migration by directly targeting Topoisomerase I. ONCOLOGY LETTERS 17: 1903-1913, 2019 WB ;Human. 10.3892/ol.2018.9746