

bs-0030M**[Primary Antibody]**

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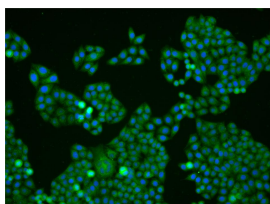
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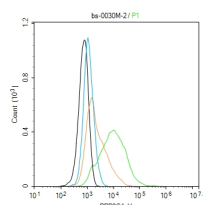
400-901-9800

PPP3CA Mouse pAb**DATASHEET**

Host: Mouse	Isotype: IgG	Applications: Flow-Cyt (2ug/Test) ICC/IF (1:25)
Clonality: Polyclonal		
GeneID: 5530	SWISS: Q08209	Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)
Target: PPP3CA		
Immunogen: KLH conjugated synthetic peptide derived from human PPP3CA: 15-80/521.		
Purification: affinity purified by Protein A		Predicted MW.: 57 kDa
Concentration: 1mg/ml		Subcellular Location: Nucleus
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: Calcineurin, a major soluble calmodulin binding protein in the brain, a Ca ²⁺ /calmodulin dependent serine/threonine protein phosphatase, with a relatively narrow substrate specificity. This metalloenzyme, also known as phosphatase 2B, is a heterodimer composed of a calmodulin binding, catalytic alpha subunit 61 kDa, calcineurin A) and calcium binding beta subunit (18 kDa, calcineurin B). The Ca ²⁺ binding subunit, calcineurin B, is immunologically conserved from yeast to mammals. The presence of 2 different calcineurin B isoforms (beta 1 and beta 2) has been reported in rat testis. The catalytic subunit of calcineurin, calcineurin A, isolated from different tissues or different organisms, exhibits some immunological heterogeneity. Further, there are at least 2 isoforms of calcineurin A in bovine brain (alpha 1 and alpha 2, 61 and 59 kDa, respectively).		

VALIDATION IMAGES

MCF7 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 (PPP3CA) polyclonal Antibody, Unconjugated (bs-0030M) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



The MCF-7(H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Mouse Anti-PPP3CA antibody (bs-0030M): 2μg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC (bs-60296G-FITC): 1 μg/test. Isotype Control (orange): Mouse IgG (bs-0296P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=2.6]** Qi Lou. et al. Vericiguat reduces electrical and structural remodeling in a rabbit model of atrial fibrillation. J CARDIOVASC PHARM T.;(): IHC ;Rabbit. 37403470