

**bs-0030M****[ Primary Antibody ]****PPP3CA Mouse pAb****BioSS**  
**ANTIBODIES**

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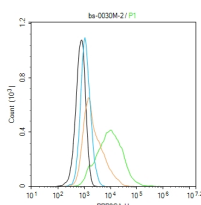
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**— DATASHEET —**

<b>Host:</b> Mouse <b>Clonality:</b> Polyclonal <b>GeneID:</b> 5530 <b>Target:</b> PPP3CA <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PPP3CA: 15-80/521. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> Calcineurin, a major soluble calmodulin binding protein in the brain, a Ca <sup>2+</sup> /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 <sup>2+</sup> 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).	<b>Isotype:</b> IgG <b>SWISS:</b> Q08209	<b>Applications:</b> Flow-Cyt (2ug/Test) <b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse) <b>Predicted MW.:</b> 57 kDa <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

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/10<sup>6</sup> 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