

bs-2804R**[Primary Antibody]****Bioss**
ANTIBODIES

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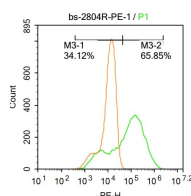
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Cardiac Troponin T Rabbit pAb**DATASHEET**

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| Host: Rabbit Clonality: Polyclonal GeneID: 7139 Target: Cardiac Troponin T Immunogen: KLH conjugated synthetic peptide derived from human Troponin T, cardiac muscle.: 201-298/298. 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: The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq]. | Isotype: IgG SWISS: P45379 | Applications: Flow-Cyt (1µg /Test) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, GuineaPig) Predicted MW.: 36 kDa Subcellular Location: Cytoplasm |
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VALIDATION IMAGES

Blank control: U-2OS. Primary Antibody (green line): Rabbit Anti-TNNT2 antibody (bs-2804R)
Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. 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.

SELECTED CITATIONS

- **[IF=3.612]** Zhou et al. Rapid and Efficient Generation of Transgene-Free iPSC from a Small Volume of Cryopreserved Blood. (2015) Stem.Cell.Rev. 11:652-65 IHC ;Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Guinea Pig.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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- **[IF=3.065]** Li M et al. Aconitine induces cardiotoxicity through regulation of calcium signaling pathway in zebrafish embryos and in H9c2 cells. J Appl Toxicol. 2020 Jan 23. WB ;Rat. 31975431