

bs-5502R**[Primary Antibody]****phospho-MEF2D (Ser444) Rabbit pAb****BioSS**
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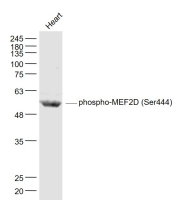
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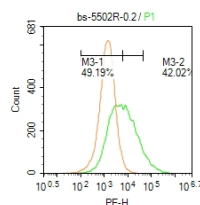
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 4209 Target: phospho-MEF2D (Ser444) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human MEF2D around the phosphorylation site of Ser444: PV(p-S)PS. 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: MEF2D is a member of the myocyte-specific enhancer factor 2 (MEF2) family of transcription factors. Members of this family are involved in control of muscle and neuronal cell differentiation and development, and are regulated by class II histone deacetylases. Fusions of the encoded protein with Deleted in Azoospermia-Associated Protein 1 (DAZAP1) due to a translocation have been found in an acute lymphoblastic leukemia cell line, suggesting a role in leukemogenesis. The encoded protein may also be involved in Parkinson disease and myotonic dystrophy. Alternative splicing results in multiple transcript variants.	Isotype: IgG SWISS: Q14814	Applications: WB (1:500-2000) Flow-Cyt (0.2ug/test)
		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Horse)
		Predicted MW.: 56 kDa
		Subcellular Location: Nucleus

— VALIDATION IMAGES —

Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti-phospho-MEF2D (Ser444) (bs-5502R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Blank control: HeLa. Primary Antibody (green line): Rabbit Anti-phospho-MEF2D(Ser444) antibody (bs-5502R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 0.2µg /test. Protocol The cells were 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=4.492]** Xihong Zhou. et al. Serine-to-glycine ratios in low-protein diets regulate intramuscular fat by affecting lipid metabolism and myofiber type transition in the skeletal muscle of growing-finishing pigs. Anim Nutr. 2021 Mar;: WB ;Pig. 10.1016/j.aninu.2020.08.011