bs-5480R **[Primary Antibody]**

phospho-MEF2C (Ser396) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4208 **SWISS:** Q06413

Target: MEF2C (Ser396)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human MEF2C around the phosphorylation site of Ser396: PV(p-S)PP.

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: MEF2C is a transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. This protein controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. It may also be involved in neurogenesis and in the development of cortical architecture.

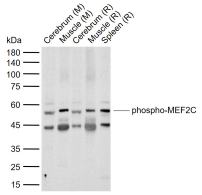
Applications: **WB** (1:500-2000)

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

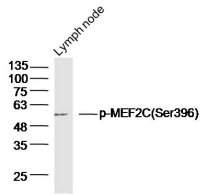
Predicted MW.: 51 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Muscle tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Rat Muscle tissue lysates Lane 5: Rat Spleen tissue lysates Primary: Anti-phospho-MEF2C (Ser396) (bs-5480R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 51 kDa



Sample: Lymph node(Mouse)Lysate at 40 ug Primary: Anti-p-MEF2C(Ser396)(bs-5480R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 51kD Observed band size: 51kD

SELECTED CITATIONS

- **[IF=5.714]** Ruyi Qu. et al. Glucocorticoids improve the balance of M1/M2 macrophage polarization in experimental autoimmune uveitis through the P38MAPK-MEF2C axis. INT IMMUNOPHARMACOL. 2023 Jul;120:110392 WB ;Rat. 37262960
- **[IF=3.913]** Fengyun Wen. et al. The Mef2c/AdipoR1 axis is responsible for myogenic differentiation and is regulated by resistin in skeletal muscles. GENE. 2023 Mar;857:147193 WB ;Mouse. 36641076