## [ Primary Antibody ]

## phospho-MEF2A (Ser408) Rabbit pAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

— DATASHEET ——		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		<b>IHC-P</b> (1:100-500)
GenelD: 4205	SWISS: Q02078	<b>IF</b> (1:100-500)
Target: MEF2A (Ser408)		Reactivity: Mouse Rat
<b>Immunogen:</b> KLH conju MEF2A aro	gated synthesised phosphopeptide derived from human und the phosphorylation site of Ser408: PI(p-S)PP.	(predicted: Human)
Purification: affinity pu	ified by Protein A	
Concentration: 1mg/ml		Predicted MW.: <sup>54 kDa</sup>
<b>Storage:</b> 0.01M TBS Glycerol. Shipped a freeze/tha	(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% : 4°C. Store at -20°C for one year. Avoid repeated w cycles.	Subcellular Location: Nucleus
Background: The proces myoblasts factors tha helix-loop- (MIM 1599) class of ide regulatory (MEF2) fan sequence muscle-sp gene famil factor MCN and the hu that also in factors, all MEF2A bel MEF2 fami when neu formation. cerebellar also has ke	as of differentiation from mesodermal precursor cells to has led to the discovery of a variety of tissue-specific t regulate muscle gene expression. The myogenic basic helix proteins, including myoD (MIM 159970), myogenin 30), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one entified factors. A second family of DNA binding proteins is the myocyte-specific enhancer factor-2 hily. Each of these proteins binds to the MEF2 target DNA present in the regulatory regions of many, if not all, eacific genes. The MEF2 genes are members of the MADS y (named for the yeast mating type-specific transcription 11, the plant homeotic genes 'agamous' and 'deficiens' man serum response factor SRF (MIM 600589)), a family includes several homeotic genes and other transcription of which share a conserved DNA-binding domain. Dongs to a family of DNA binding regulatory proteins. The ly of transcription factors is highly expressed in the brain ons undergo dendritic maturation and synapse MEF2A is especially abundant in granule neurons of the cortex throughout the period of synaptogenesis. MEF2A ey roles in cardiac and skeletal muscle development.	

## - VALIDATION IMAGES



Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti-Phospho-MEF2A (Ser408) (bs-3268R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD



Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-MEF2A (Ser408)) Polyclonal Antibody, Unconjugated (bs-3268R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-MEF2A(Ser408) Polyclonal Antibody, Unconjugated(bs-3268R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining