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Anti-MEF2C (Ser222) Antibody

Our Anti-MEF2C (Ser222) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is
Catalog # AN1446

Product Information

Application	WB
Primary Accession	Q06413
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51221

Additional Information

Gene ID	4208
Other Names	C5DELq14.3 antibody, DEL5q14.3 antibody, MADS box transcription enhancer factor 2 polypeptide C (myocyte enhancer factor 2C) antibody, MADS box transcription enhancer factor 2 polypeptide C antibody, MEF2C antibody, MEF2C_HUMAN antibody, Myocyte enhancer factor 2C antibody, Myocyte specific enhancer factor 2C antibody, Myocyte-specific enhancer factor 2C antibody, OTTHUMP00000222409 antibody, Similar to MADS box transcription enhancer factor 2 polypeptide C antibody
Target/Specificity	MEF2C, also known as MADS box transcription enhancer factor 2, polypeptide C, is one of 4 MEF2 (myocyte enhancer factor 2) transcription factors that encode proteins for development of skeletal muscle and brain proliferation and differentiation (McDermott et al, 1993), along with regulating stress-response during cardiac hypertrophy in mammals (Wu et al, 2015). Phosphorylation of MEF2C at serine 59 has been shown to be negatively regulated by integrin-linked kinase (ILK) (Dong et al, 2015). Recently, high MEF2C expression has been associated with a subset of acute myeloid leukemia (AML) patients with adverse-risk disease features and poor outcomes (Laszlo et al, 2015). Phosphorylation of MEF2C at serine 222 may play a key role in MEF2C signaling.
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-MEF2C (Ser222) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

MEF2C, also known as MADS box transcription enhancer factor 2, polypeptide C, is one of 4 MEF2 (myocyte enhancer factor 2) transcription factors that encode proteins for development of skeletal muscle and brain proliferation and differentiation (McDermott et al, 1993), along with regulating stress-response during cardiac hypertrophy in mammals (Wu et al, 2015). Phosphorylation of MEF2C at serine 59 has been shown to be negatively regulated by integrin-linked kinase (ILK) (Dong et al, 2015). Recently, high MEF2C expression has been associated with a subset of acute myeloid leukemia (AML) patients with adverse-risk disease features and poor outcomes (Laszlo et al, 2015). Phosphorylation of MEF2C at serine 222 may play a key role in MEF2C signaling.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.