MEF-2C Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	MEF-2C, Polyclonal Antibody
Full Product Name	MEF-2C (phospho Ser396) Polyclonal Antibody
Product Gene Name	anti-MEF-2C antibody
Clonality	Polyclonal
Molecular Weight	50,242 Da
OMIM	600662
3D Structure	ModBase 3D Structure for Q06413
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-MEF-2C antibody	MBS8520596 is an antibody targeting MEF-2C. Also known as MEF-2C (phospho Ser396) Polyclonal Antibody.
Other Notes	Small volumes of anti-MEF-2C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEF-2C. It may not necessarily be applicable to this product.

NCBI GI #	196114945
NCBI GeneID	4208
NCBI Accession #	NP_001124477.1
UniProt Primary Accession #	Q06413
UniProt Secondary Accession #	C9JMZ0; D7F7N5; F8W7V7
UniProt Related Accession #	Q06413
GenBank Nucleotide #	NM_001131005.2
NCBI Official Full Name	myocyte-specific enhancer factor 2C isoform 2
NCBI Official Synonym Full Names	myocyte enhancer factor 2C
NCBI Official Symbol	MEF2C
NCBI Official Synonym Symbols	DEL5q14.3; C5DELq14.3
UniProt Protein Name	Myocyte-specific enhancer factor 2C
UniProt Synonym Protein Names	Myocyte enhancer factor 2C
UniProt Gene Name	MEF2C
NCBI Protein Information	myocyte-specific enhancer factor 2C

NCBI Summary for MEF-2C	This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe cognitive disability, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010]
UniProt Comments for MEF-2C	Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture (). Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.
Research Articles on MEF-2C	**1.** MEF2C expression levels were significantly associated with or may even be predictive of the response to glucocorticoid treatment.
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