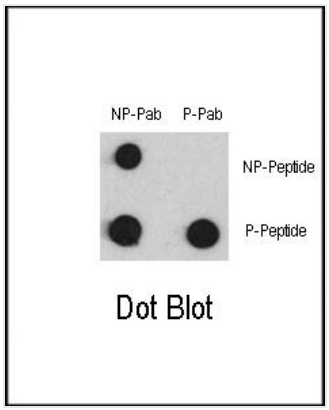
MEF2C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MEF2C, Polyclonal Antibody
Full Product Name	MEF2C, Phosphorylated (Ser387) (Myocyte-specific Enhancer Factor 2C) (Azide free) (HRP)
Product Gene Name	anti-MEF2C antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human MEF2C when phosphorylated at Ser387.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	50,242 Da
OMIM	600662
3D Structure	ModBase 3D Structure for Q06413
Immunogen	Synthetic phosphopeptide corresponding to amino acid residues surrounding Ser387 of human MEF2C (KLH).
Conjugate	HRP
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-MEF2C antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MEF2C antibody	ELISA (EIA), Dot Blot (DB)
Application Notes for anti-MEF2C antibody	ELISA: 1:1,000 Dot Blot: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-MEF2C antibody	MBS6488964 is an antibody targeting MEF2C. Also known as MEF2C, Phosphorylated (Ser387) (Myocyte-specific Enhancer Factor 2C) (Azide free) (HRP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-MEF2C antibody	1. Konig, S., et al., J. Biol. Chem. 279(27):28187-28196 (2004). 2. Maeda, T., et al., J. Biol. Chem. 277(50):48889-48898 (2002). 3. Maeda, T., et al., Biochem. Biophys. Res. Commun. 294(4):791-797 (2002). 4. Janson, C.G., et al., Brain Res. Mol. Brain Res. 97(1):70-82 (2001). 5. Krainc, D., et al., Genomics 29(3):809-811 (1995).
Other Notes	Small volumes of anti-MEF2C 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.



Dot Blot (DB) of anti-MEF2C antibody
Dot blot analysis of anti-Phospho-MEF2C-pS387 Antibody and anti-MEF2C Non Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEF2C. It may not necessarily be applicable to this product.

NCBI GI #	19923215
NCBI GeneID	4208
NCBI Accession #	NP_002388
UniProt Primary Accession #	Q06413
UniProt Secondary Accession #	C9JMZ0; D7F7N5; F8W7V7
UniProt Related Accession #	Q06413
GenBank Nucleotide #	NM_002397
NCBI Official Full Name	myocyte-specific enhancer factor 2C isoform 1
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
Protein Family	Myocyte-specific enhancer factor
UniProt Gene Name	MEF2C
UniProt Entry Name	MEF2C_HUMAN
NCBI Protein Information	myocyte-specific enhancer factor 2C; MADS box transcription enhancer factor 2, polypeptide C

UniProt Comments for MEF2C	MEF2C: transcription factor of the MADS family which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. May be involved in myogenesis, neurogenesis and in the development of cortical architecture. Three splice-variant isoforms have been described. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 5q14.3 Cellular Component: nucleoplasm; protein complex; intracellular membrane-bound organelle; cytoplasm; nuclear speck; nucleus; cytosol Molecular Function: protein binding; miRNA binding; transcription activator binding; DNA binding; AT DNA binding; protein heterodimerization activity; histone deacetylase binding; chromatin binding; transcription factor activity Biological Process: cardiac muscle hypertrophy; muscle development; nerve growth factor receptor signaling pathway; positive regulation of transcription, DNA-dependent; heart development; regulation of neurotransmitter secretion; stress-activated MAPK cascade; regulation of synaptic plasticity; toll-like receptor 3 signaling pathway; toll-like receptor 5 signaling pathway; neuron differentiation; positive regulation of MAP kinase activity; B cell receptor signaling pathway; regulation of neuron apoptosis; negative regulation of ossification; positive regulation of B cell proliferation; chondrocyte differentiation; negative regulation of neuron apoptosis; toll-like receptor 4 signaling pathway; positive regulation of cardiac muscle cell proliferation; endochondral ossification; nervous system development; skeletal muscle development; monocyte differentiation; response to virus; myotube differentiation; positive regulation of skeletal muscle development; muscle cell fate determination; toll-like receptor 2 signaling pathway; muscle cell differentiation; regulation of synaptogenesis; neuron development; positive regulation of transcription from RNA polymerase II promoter; smooth muscle cell differentiation; toll-like receptor 9 signaling pathway; B cell proliferation; transcription from RNA polymerase II promoter; regulation of synaptic transmission, glutamatergic; apoptosis; neuron migration; ventricular cardiac muscle cell differentiation; regulation of synaptic activity; negative regulation of transcription from RNA polymerase II promoter; palate development; toll-like receptor 10 signaling pathway; learning and/or memory; B cell homeostasis; regulation of transcription, DNA-dependent; melanocyte differentiation; regulation of megakaryocyte differentiation; germinal center formation; neural crest cell differentiation; heart looping; negative regulation of epithelial cell proliferation; blood vessel development; MyD88-independent toll-like receptor signaling pathway; MAPKKK cascade; embryonic viscerocranium morphogenesis; positive regulation of bone mineralization; humoral immune response; regulation of germinal center formation; positive regulation of myoblast differentiation; osteoblast differentiation; MyD88-dependent toll-like receptor signaling pathway; positive regulation of osteoblast differentiation; neuron morphogenesis during differentiation; toll-like receptor signaling pathway; innate immune response; positive regulation of muscle cell differentiation; blood vessel remodeling; platelet formation; regulation of excitatory postsynaptic membrane potential; positive regulation of neuron differentiation Disease: Mental Retardation, Autosomal Dominant 20
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