

MEF2C Antibody

Rabbit mAb Catalog # AP91779

Specification

MEF2C Antibody - Product Information

Application WB, IHC
Primary Accession Q06413
Reactivity Rat
Clonality Monoclonal

Other Names

C5DELq14.3; DEL5q14.3; MEF2C;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 51221 Da

MEF2C Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

Purification Affinity-chromatography
Immunogen A synthesized peptide derived from human

MEF2C

Description 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. Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

MEF2C Antibody - Protein Information

Name MEF2C (HGNC:6996)

Storage Condition and Buffer

Function

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. Enhances transcriptional activation mediated by SOX18.



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 (By similarity). Isoforms that lack the repressor domain are more active than isoform 1.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:A0A096MJY4}. Cytoplasm, sarcoplasm {ECO:0000250|UniProtKB:A0A096MJY4}

Tissue Location

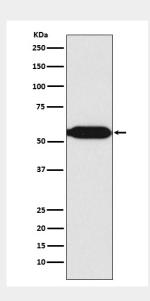
Expressed in brain and skeletal muscle.

MEF2C Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MEF2C Antibody - Images



Western blot analysis of MEF2C expression in Raji cell lysate.