

**Anti-MEF2C Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18591****Specification**

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**Anti-MEF2C Antibody - Product Information**

Application	<b>WB, IHC-P, IF</b>
Primary Accession	<a href="#">Q06413</a>
Predicted	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>51221</b>

**Anti-MEF2C Antibody - Additional Information****Gene ID 4208**

Alias Symbol **MEF2C**  
**Other Names**  
MEF2C, C5DELq14.3, DEL5q14.3, Myocyte enhancer factor 2C

**Target/Specificity**

Human MEF2C

**Reconstitution & Storage**

Affinity purified

**Precautions**

Anti-MEF2C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-MEF2C Antibody - Protein Information**

**Name** MEF2C ([HGNC:6996](#))

**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.

**Anti-MEF2C Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)