

# Anti-MEF2C Rabbit Monoclonal Antibody

Catalog # ABO15321

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC                                                                                                       |
| <b>Primary Accession</b> | <a href="#">Q06413</a>                                                                                        |
| <b>Host</b>              | Rabbit                                                                                                        |
| <b>Isotype</b>           | IgG                                                                                                           |
| <b>Reactivity</b>        | Rat, Human                                                                                                    |
| <b>Clonality</b>         | Monoclonal                                                                                                    |
| <b>Format</b>            | Liquid                                                                                                        |
| <b>Description</b>       | Anti-MEF2C Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Rat. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 4208                                                                                                                                       |
| <b>Other Names</b>         | Myocyte-specific enhancer factor 2C, Myocyte enhancer factor 2C {ECO:0000312   HGNC:HGNC:6996}, MEF2C ( <a href="#">HGNC:6996</a> )        |
| <b>Calculated MW</b>       | 51221                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:100-1:500                                                                                                         |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 18M97                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human MEF2C                                                                                             |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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| <b>Name</b>     | MEF2C ( <a href="#">HGNC:6996</a> )                                                                                                                                                                                                                                                             |
| <b>Function</b> | 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**

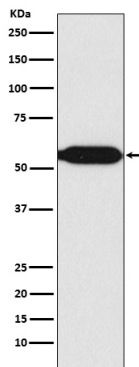
Nucleus {ECO:0000250|UniProtKB:A0A096MJY4}. Cytoplasm, sarcoplasm {ECO:0000250|UniProtKB:A0A096MJY4}

**Tissue Location**

Expressed in brain and skeletal muscle.

## Images

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Western blot analysis of MEF2C expression in Raji cell lysate.

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