

MEF2C Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11665**Specification**

MEF2C Antibody - Product Information

Application	WB, IF
Primary Accession	Q06413
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51221

MEF2C Antibody - Additional Information**Gene ID** 4208**Other Names**

Myocyte-specific enhancer factor 2C, MEF2C

Target/Specificity

MEF2C

Formulation

100 µl antibody supplied in PBS with 0.09% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

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

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

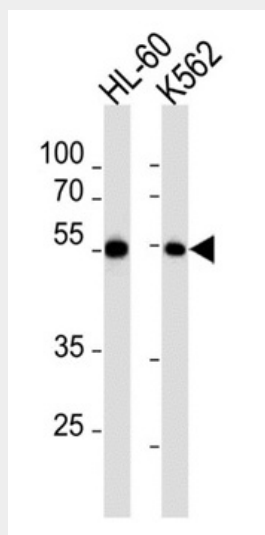
Expressed in brain and skeletal muscle.

MEF2C Antibody - Protocols

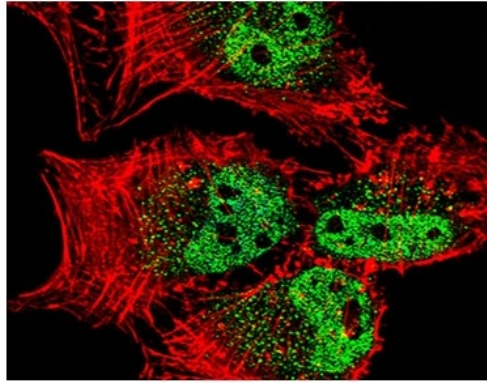
Provided below are standard protocols that you may find useful for product applications.

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

MEF2C Antibody - Images



Western blot analysis in HL-60, K562 cell line lysates.



Fluorescent confocal image of HeLa cell stained with MEF2C Antibody(green) and cytoplasmic actin(red). MEF2C immunoreactivity is localized to vesicles and nucleus.

MEF2C Antibody - Background

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.