

MEF2C (Phospho-Ser396) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52595**Specification**

MEF2C (Phospho-Ser396) Antibody - Product Information

Application	WB, IHC
Primary Accession	Q06413
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51221

MEF2C (Phospho-Ser396) Antibody - Additional Information**Gene ID** 4208**Other Names**

Myocyte-specific enhancer factor 2C, MEF2C

Dilution

WB~~1:1000

IHC~~1:50~100

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

MEF2C (Phospho-Ser396) 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}

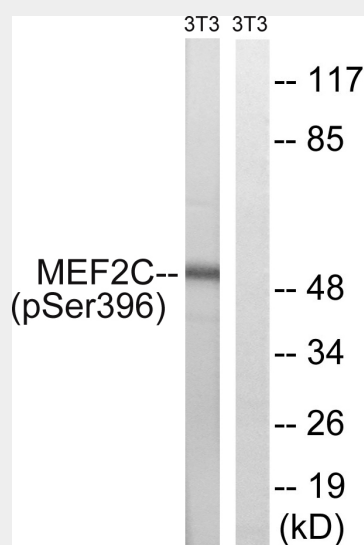
Tissue Location

Expressed in brain and skeletal muscle.

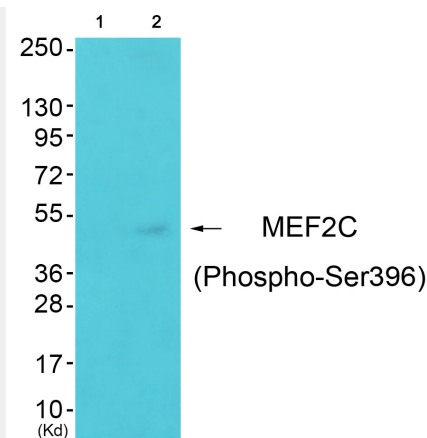
MEF2C (Phospho-Ser396) Antibody - Protocols

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

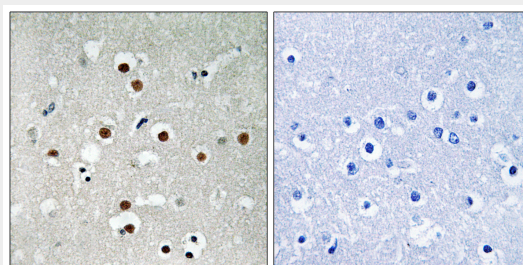
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MEF2C (Phospho-Ser396) Antibody - Images

Western blot analysis of extracts from 3T3 cells, treated with starved (24hours), using MEF2C (Phospho-Ser396) antibody.



Western blot analysis of extracts from cos-7 cells (Lane 2), using MEF2C (Phospho-Ser396) Antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using MEF2C (Phospho-Ser396) antibody.

MEF2C (Phospho-Ser396) 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 (By similarity). Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.

MEF2C (Phospho-Ser396) Antibody - References

Leifer D.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993).
McDermott J.C.,et al.Mol. Cell. Biol. 13:2564-2577(1993).
Infantino V.,et al.Submitted (MAY-2008) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Schmutz J.,et al.Nature 431:268-274(2004).