

Datasheet for ABIN7180046  
**anti-MEF2C antibody (Ser396)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	MEF2C
Binding Specificity:	Ser396
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human MEF2C around the phosphorylation site of serine 396 (P-V-S(p)-P-P).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Target Details

Target:	MEF2C
Alternative Name:	MEF2C ( <a href="#">MEF2C Products</a> )

## Target Details

**Background:** 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.

Leifer D., Proc. Natl. Acad. Sci. U.S.A. 90:1546-1550(1993).

McDermott J.C., Mol. Cell. Biol. 13:2564-2577(1993).

Wang A.H., Mol. Cell. Biol. 19:7816-7827(1999).

Aliases: C5DELq14.3 antibody, DEL5q14.3 antibody, MADS box transcription enhancer factor 2 polypeptide C (myocyte enhancer factor 2C) antibody, MADS box transcription enhancer factor 2, polypeptide C antibody, MEF2C antibody, MEF2C\_HUMAN antibody, Myocyte enhancer factor 2C antibody, Myocyte specific enhancer factor 2C antibody, Myocyte-specific enhancer factor 2C antibody, OTTHUMP00000222409 antibody, Similar to MADS box transcription enhancer factor 2 polypeptide C antibody

**UniProt:** [Q06413](#)

**Pathways:** [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Carbohydrate Homeostasis](#), [Chromatin Binding](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#)

## Application Details

**Application Notes:** WB:1:500-1:3000,

**Restrictions:** For Research Use only

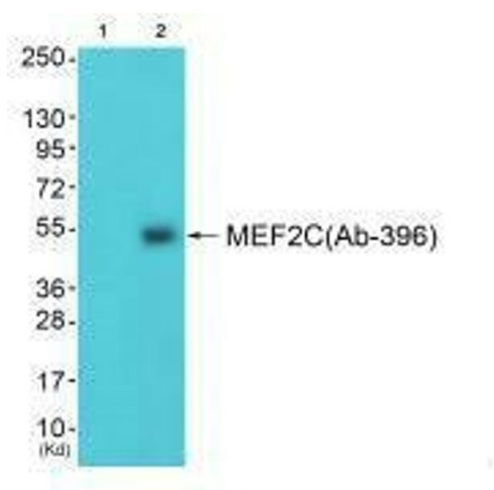
## Handling

**Format:** Liquid

Handling

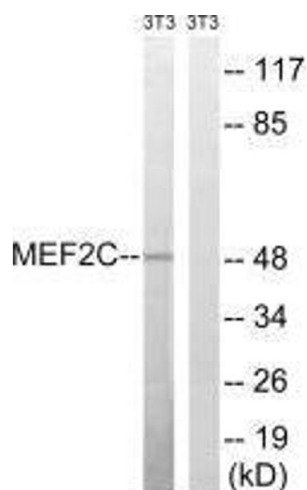
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

**Image 1.** Western blot analysis of extracts from 3T3 cells (Lane 2), using MEF2C (Ab-396) antibody. The lane on the left is treated with synthesized peptide.



Western Blotting

**Image 2.** Western blot analysis of extracts from 3T3 cells, treated with starved (24hours), using MEF2C (Ab-396) antibody.