

Datasheet for ABIN3031904  
**anti-MEF2C antibody (AA 278-307)**



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3 Images

## Overview

Quantity:	0.4 mL
Target:	MEF2C
Binding Specificity:	AA 278-307
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	A portion of amino acids 278-307 from the human protein was used as the immunogen for this MEF2C antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Bovine, Pig
Purification:	Antigen affinity purified

## Target Details

Target:	MEF2C
Alternative Name:	MEF2C ( <a href="#">MEF2C Products</a> )
Background:	Transcription activator which binds specifically to the MEF2 element present in the regulatory

## Target Details

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. [UniProt]

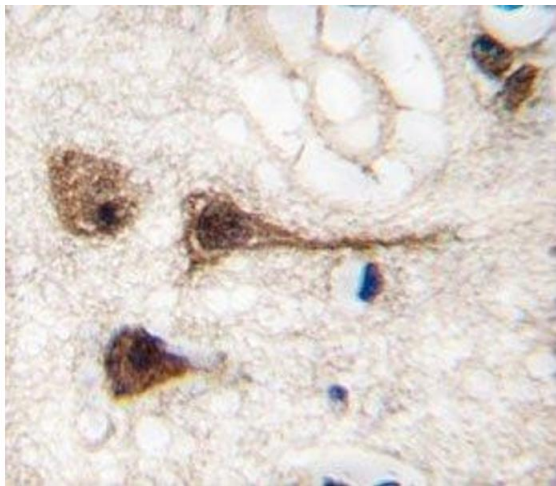
UniProt:	<a href="#">Q06413</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Chromatin Binding</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a>

## Application Details

Application Notes:	Titration of the MEF2C antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

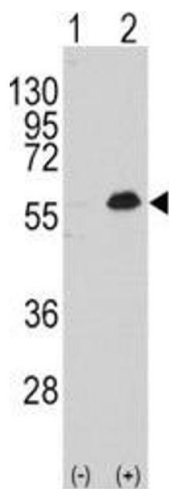
## Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
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
Storage Comment:	Aliquot the MEF2C antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



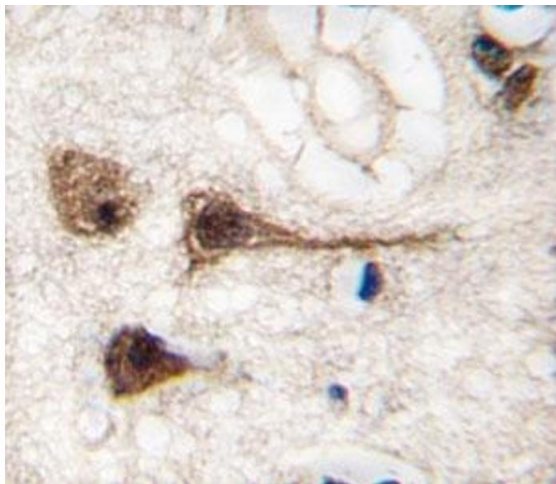
Immunohistochemistry

**Image 1.** IHC analysis of FFPE human brain tissue stained with MEF2C antibody



Western Blotting

**Image 2.** Western blot analysis of MEF2C antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the MEF2C gene (2).



Immunohistochemistry

**Image 3.** IHC analysis of FFPE human brain tissue stained with MEF2C antibody