

Datasheet for ABIN545865  
**anti-MEF2C antibody (Thr300)**[Go to Product page](#)

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## Overview

Quantity:	400 µL
Target:	MEF2C
Binding Specificity:	Thr300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of MEF2C.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding T300 of human MEF2C.
Cross-Reactivity:	Human

## Target Details

Target:	MEF2C
Alternative Name:	MEF2C ( <a href="#">MEF2C Products</a> )
Gene ID:	4208
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to</a>

## Target Details

[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: ELISA (1:1000)  
Western Blot (1:50-100)  
Immunohistochemistry (1:10-50)  
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: In PBS (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: 4 °C, -20 °C

Storage Comment: Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

## Publications

Product cited in: Konig, Hinard, Arnaudeau, Holzer, Potter, Bader, Bernheim: "Membrane hyperpolarization triggers myogenin and myocyte enhancer factor-2 expression during human myoblast differentiation." in: **The Journal of biological chemistry**, Vol. 279, Issue 27, pp. 28187-96, (2004) ([PubMed](#)).

Maeda, Chapman, Stewart: "Mammalian vestigial-like 2, a cofactor of TEF-1 and MEF2 transcription factors that promotes skeletal muscle differentiation." in: **The Journal of biological chemistry**, Vol. 277, Issue 50, pp. 48889-98, (2002) ([PubMed](#)).

Maeda, Gupta, Stewart: "TEF-1 and MEF2 transcription factors interact to regulate muscle-

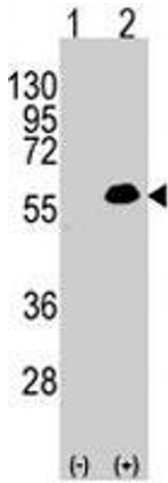
specific promoters." in: **Biochemical and biophysical research communications**, Vol. 294, Issue 4, pp. 791-7, (2002) ([PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with MEF2C polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Western Blotting

**Image 2.** Western blot analysis of MEF2C (arrow) using rabbit MEF2C polyclonal antibody . 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MEF2C gene (Lane 2) (Origene Technologies).