BOSTER BIOLOGICAL TECHNOLOGY
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Anti-MEF2C Antibody (S387)

Catalog Number: A01131

About MEF2C

MEF2C is a transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. This protein controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. It may also be involved in neurogenesis and in the development of cortical architecture.

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Overview

Product Name	Anti-MEF2C Antibody (S387)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MEF2C Antibody (S387) (Catalog # A01131). Tested in IF, IHC-P, WB application(s). This antibody reacts with Human, Mouse.
Application	IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q06413

Technical Details

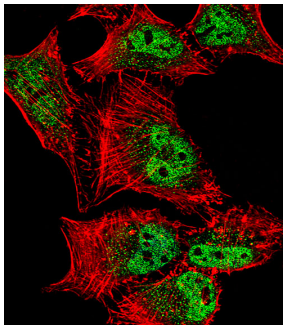
Immunogen	This MEF2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-394 amino acids from human MEF2C.
Predicted Reactive Species	Pig, Rat
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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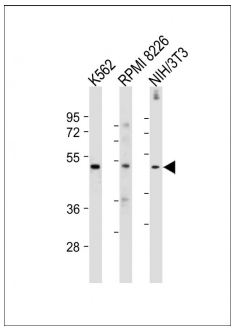
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000-2000 IHC-P: 1:10-1:50

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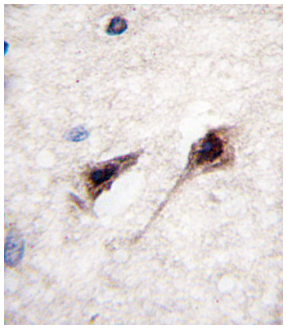
Anti-MEF2C Antibody (S387) (A01131) Images



Fluorescent confocal image of Hela cell stained with MEF2C Antibody (S387). Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0. 1%, 10 min), then incubated with MEF2C primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). MEF2C immunoreactivity is localized to vesicles and Nucleus significantly.



All lanes : Anti-MEF2C-pS387. ctrl at 1:1000-2000 dilutionLane 1: K562 whole cell lysateLane 2: RPMI 8226 whole cell lysateLane 3: NIH/3T3 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with MEF2C Antibody (S387) (Cat. #A01131), 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.

Anti-MEF2C Antibody (S387)

For Research Use Only. Not for use in diagnostic procedures.