

**Anti-MEF2C (pS387) Antibody**  
**Rabbit polyclonal antibody to MEF2C (pS387)**  
**Catalog # AP61445****Specification**

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**Anti-MEF2C (pS387) Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q06413</a>
Reactivity	Human, Rat, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51221

**Anti-MEF2C (pS387) Antibody - Additional Information****Gene ID** 4208**Other Names**

Myocyte-specific enhancer factor 2C

**Target/Specificity**

Recognizes endogenous levels of MEF2C with a site at pS387 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-MEF2C (pS387) 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}

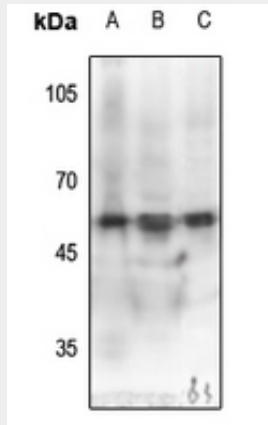
**Tissue Location**

Expressed in brain and skeletal muscle.

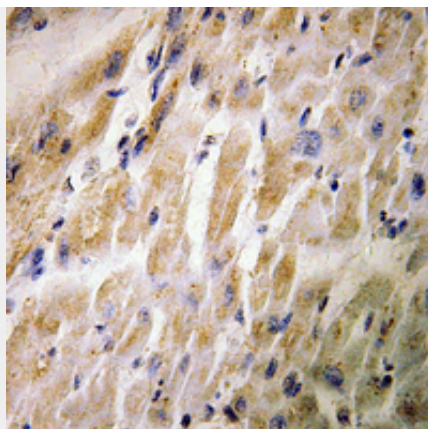
**Anti-MEF2C (pS387) Antibody - Protocols**

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](#)

**Anti-MEF2C (pS387) Antibody - Images**

Western blot analysis of MEF2C (pS387) expression in K562 (A), U87MG (B), rat brain (C) whole cell lysates.



Immunohistochemical analysis of MEF2C (pS387) staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-MEF2C (pS387) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MEF2C with a site at pS387. The exact sequence is proprietary.