

## Rabbit MEF2C Polyclonal Antibody | anti-MEF2C antibody

MEF2C Antibody (S396)

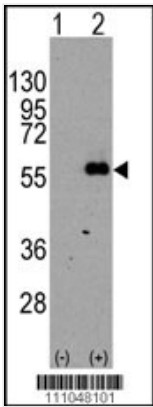
|                               |                       |                                                       |                                            |
|-------------------------------|-----------------------|-------------------------------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA290692</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human; Predicted Reactivity: Pig</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|-------------------------------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

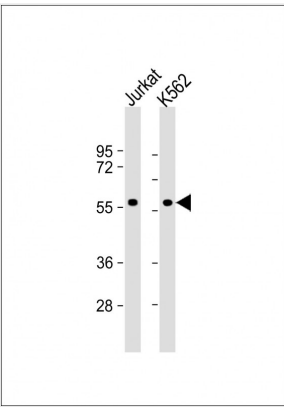
MEF2C; Polyclonal Antibody; MEF2C Antibody (S396); Myocyte-specific enhancer factor 2C; anti-MEF2C antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human; Predicted Reactivity: Pig                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Ig                                                                                                                                                                           |
| Specificity                                     | This MEF2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 374-403 amino acids from human MEF2C.                                |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Sequence Length                                 | 463                                                                                                                                                                          |
| Applicable Applications for anti-MEF2C antibody | ELISA, WB (Western Blot)                                                                                                                                                     |
| Subtitle                                        | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Cellular Location                               | Nucleus.                                                                                                                                                                     |
| Tissue Location                                 | Expressed in brain and skeletal muscle.                                                                                                                                      |
| Antigen Region                                  | 374-403 aa                                                                                                                                                                   |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**WB (Western Blot)**  
Western blot analysis of MEF2C (arrow) using rabbit polyclonal MEF2C Antibody (S396) (RB11048). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MEF2C gene (Lane 2) (Origene Technologies).



**WB (Western Blot)**  
All lanes : Anti-MEF2C Antibody (S396) at 1:1000 dilution  
Lane 1: Jurkat whole cell lysate  
Lane 2: K562 whole cell lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 51 kDa  
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MEF2C antibody | <p>Description: 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.</p> <p>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.</p> |
| Product Categories/Family for anti-MEF2C antibody   | Primary Antibodies; Cardiovascular; Neuroscience; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| References                                          | Konig, S., et al., J. Biol. Chem. 279 (27):28187-28196 (2004). Maeda, T., et al., J. Biol. Chem. 277 (50):48889-48898 (2002). Maeda, T., et al., Biochem. Biophys. Res. Commun. 294 (4):791-797 (2002). Janson, C.G., et al., Brain Res. Mol. Brain Res. 97 (1):70-82 (2001). Krainc, D., et al., Genomics 29 (3):809-811 (1995).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 196114945                                     |
| NCBI GeneID                      | 4208                                          |
| NCBI Accession #                 | NP_001124477.1                                |
| NCBI GenBank Nucleotide #        | NM_001131005.2                                |
| UniProt Accession #              | Q06413; Q2L9Y8                                |
| Molecular Weight                 | 51221 Da                                      |
| NCBI Official Full Name          | myocyte-specific enhancer factor 2C isoform 2 |
| NCBI Official Synonym Full Names | myocyte enhancer factor 2C                    |

|                               |                                     |
|-------------------------------|-------------------------------------|
| NCBI Official Symbol          | MEF2C                               |
| NCBI Official Synonym Symbols | DEL5q14.3; C5DELq14.3               |
| NCBI Protein Information      | myocyte-specific enhancer factor 2C |
| UniProt Protein Name          | Myocyte-specific enhancer factor 2C |
| UniProt Gene Name             | <b>MEF2C</b>                        |
| UniProt Entry Name            | MEF2C_PIG                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mef2c-antibody-western-blot-elisa/290692>