

## Rabbit MEF2A Polyclonal Antibody | anti-MEF2A antibody

Anti-MEF2A Antibody

|                              |                       |                                                                                 |                                                           |
|------------------------------|-----------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA46621</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> No cross reactivity with other proteins. | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|

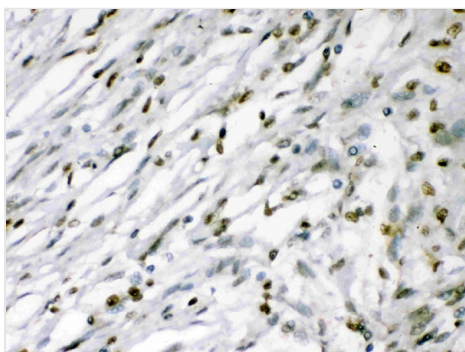
### PRODUCT SYNONYMS

MEF2A; Polyclonal Antibody; Anti-MEF2A Antibody; ADCAD1; MEF 2A; MEF2; myocyte enhancer factor 2A; Myocyte-specific enhancer factor 2A; RSRFC4; RSRFC9; Q02078 ; anti-MEF2A antibody

### PRODUCT SPECIFICATIONS

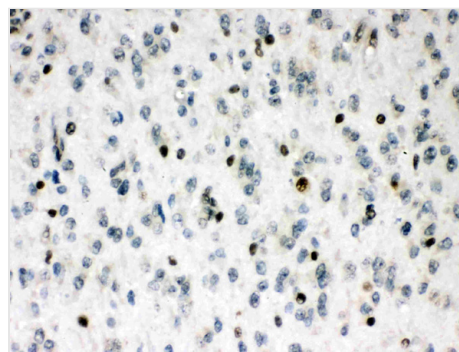
|                                                 |                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat<br>No cross reactivity with other proteins.                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | IgG                                                                                                                                                                                                                                                         |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                                                |
| Form/Format                                     | Lyophilized                                                                                                                                                                                                                                                 |
| Sequence Length                                 | 437                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-MEF2A antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                               |
| Immunogen                                       | A synthetic peptide corresponding to a sequence at the C-terminus of human MEF2A (466-507aa DGSDREDPRGDFHSPVLGRPPNTEDRESPSVKRMRMDAW VT), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids. |
| Contents                                        | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                                                                         |
| Reconstitution                                  | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                                                                        |
| Preparation and Storage                         | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.                                                        |

### IMAGES



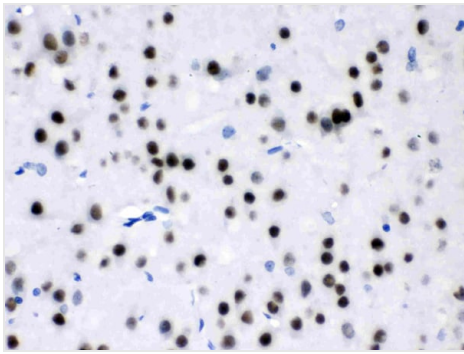
IHC (Immunohistochemistry)

MEF2A was detected in paraffin-embedded sections of human meningioma tissues using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



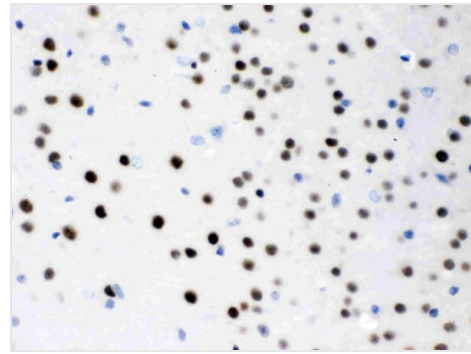
IHC (Immunohistochemistry)

MEF2A was detected in paraffin-embedded sections of human glioma tissues using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



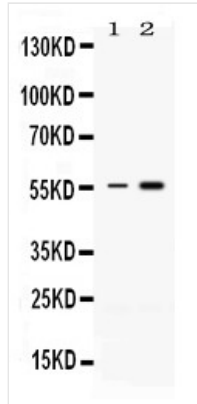
#### IHC (Immunohistochemistry)

MEF2A was detected in paraffin-embedded sections of rat brain tissues using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



#### IHC (Immunohistochemistry)

MEF2A was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



#### WB (Western Blot)

Western blot analysis of MEF2A expression in rat thymus extract (lane 1) and HELA whole cell lysates (lane 2). MEF2A at 56KD was detected using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MEF2A antibody</b> | <p>Rabbit IgG polyclonal antibody for Myocyte-specific enhancer factor 2A (MEF2A) detection.</p> <p>Background: Myocyte-specific enhancer factor 2A is a protein that in humans is encoded by the MEF2A gene. It is mapped to 15q26. The protein encoded by this gene is a DNA-binding transcription factor that activates many muscle-specific, growth factor-induced, and stress-induced genes. The encoded protein can act as a homodimer or as a heterodimer and is involved in several cellular processes, including muscle development, neuronal differentiation, cell growth control, and apoptosis. Defects in this gene could be a cause of autosomal dominant coronary artery disease 1 with myocardial infarction (ADCAD1). Several transcript variants encoding different isoforms have been found for this gene.</p>                                                  |
| <b>References</b>                                          | <ol style="list-style-type: none"> <li>1. Bhagavatula, M. R. K., Fan, C., Shen, G.-Q., Cassano, J., Plow, E. F., Topol, E. J., Wang, Q. Transcription factor MEF2A mutations in patients with coronary artery disease. <i>Hum. Molec. Genet.</i> 13: 3181-3188, 2004.</li> <li>2. Flavell, S. W., Cowan, C. W., Kim, T.-K., Greer, P. L., Lin, Y., Paradis, S., Griffith, E. C., Hu, L. S., Chen, C., Greenberg, M. E. Activity-dependent regulation of MEF2 transcription factors suppresses excitatory synapse number. <i>Science</i> 311: 1008-1012, 2006.</li> <li>3. Gonzalez, P., Garcia-Castro, M., Reguero, J. R., Batalla, A., Ordonez, A. G., Palop, R. L., Lozano, I., Montes, M., Alvarez, V., Coto, E. The pro279leu variant in the transcription factor MEF2A is associated with myocardial infarction. (Letter) <i>J. Med. Genet.</i> 43: 167-169, 2006.</li> </ol> |

## NCBI AND UNIPROT INFORMATION

|                  |                |
|------------------|----------------|
| NCBI GI #        | 195972803      |
| NCBI GeneID      | 4205           |
| NCBI Accession # | NP_001124399.1 |

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_001130927.2</a>                                                                                                                                                                                                 |
| UniProt Accession #              | <a href="#">Q02078</a> ; <a href="#">O43814</a> ; <a href="#">Q14223</a> ; <a href="#">Q14224</a> ; <a href="#">Q59GX4</a> ; <a href="#">Q7Z6C9</a> ; <a href="#">Q96D14</a> ; <a href="#">B4DFQ7</a> ; <a href="#">F6XG23</a> |
| Molecular Weight                 | 45,570 Da                                                                                                                                                                                                                      |
| NCBI Official Full Name          | myocyte-specific enhancer factor 2A isoform 3                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | myocyte enhancer factor 2A                                                                                                                                                                                                     |
| NCBI Official Symbol             | MEF2A                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | mef2; ADCAD1; RSRFC4; RSRFC9                                                                                                                                                                                                   |
| NCBI Protein Information         | myocyte-specific enhancer factor 2A                                                                                                                                                                                            |
| UniProt Protein Name             | Myocyte-specific enhancer factor 2A                                                                                                                                                                                            |
| UniProt Gene Name                | <b>MEF2A</b>                                                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | MEF2                                                                                                                                                                                                                           |
| UniProt Entry Name               | MEF2A_HUMAN                                                                                                                                                                                                                    |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mef2a-antibody-immunohistochemistry-western-blot-elisa/46621>