

Datasheet for ABIN362558  
**anti-MEF2A antibody (AA 310-314)**



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## Overview

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Quantity:            | 100 µL                                            |
| Target:              | MEF2A                                             |
| Binding Specificity: | AA 310-314                                        |
| Reactivity:          | Human, Mouse, Rat                                 |
| Host:                | Rabbit                                            |
| Clonality:           | Polyclonal                                        |
| Conjugate:           | This MEF2A antibody is un-conjugated              |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|               |                                                                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Peptide sequence around AA 310-314 (L-A-T-P-V) derived from Human MEF2A. Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. |
| Isotype:      | IgG                                                                                                                                                                |
| Specificity:  | The antibody detects endogenous level of total MEF2A protein.                                                                                                      |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                              |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | MEF2A                                    |
| Alternative Name: | MEF2A ( <a href="#">MEF2A Products</a> ) |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Background:       | The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes 'agamous' and 'deficiens' and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain |
| Molecular Weight: | 54 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Accession:   | <a href="#">NP_001124</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt:          | <a href="#">Q02078</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pathways:         | <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Chromatin Binding</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Toll-Like Receptors Cascades</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Application Details

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|--------------------|--------------------------------------------------------------------|
| Application Notes: | Western blotting: 1:500-1:1000<br>Immunohistochemistry: 1:50-1:100 |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.         |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Handling

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Storage: 4 °C/-20 °C

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Storage Comment: Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.