

Datasheet for ABIN2854958  
**anti-MEF2A antibody (N-Term)**

## 2 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | MEF2A   |
| Binding Specificity: | N-Term  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This MEF2A antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC),<br>Immunohistochemistry (Whole Mount) (IHC (wm)) |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant protein encompassing a sequence within the N-terminus region of human MEF2A. The exact sequence is proprietary. |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Zebrafish (Danio rerio)  |
| Characteristics:  | Rabbit polyclonal antibody to MEF2A (myocyte enhancer factor 2A)<br>MEF2A antibody [N1N2], N-term                           |
| Purification:     | Purified by antigen-affinity chromatography.  |

## Target Details

|         |       |
|---------|-------|
| Target: | MEF2A |
|---------|-------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | myocyte enhancer factor 2A ( <a href="#">MEF2A Products</a> )   |
| Background:       | <p>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.[supplied by OMIM]</p> <p>Cellular Localization: Nucleus</p> |
| Molecular Weight: | 55 kDa  |
| Gene ID:          | 4205  |
| 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

|                    |   |
|--------------------|---|
| Application Notes: | WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-Wm: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: HeLa  |
| Restrictions:      | For Research Use only   |

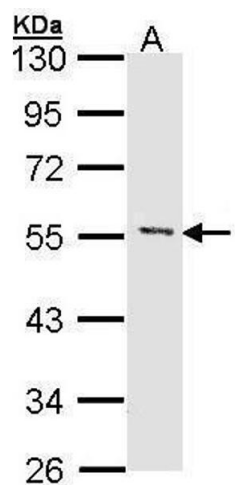
## Handling

|                |   |
|----------------|---|
| Format:        | Liquid  |
| Concentration: | 0.77 mg/mL  |
| Buffer:        | 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal |

## Handling

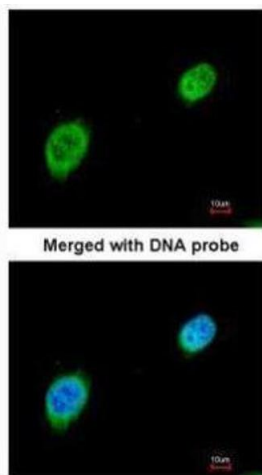
|                    |  |
|--------------------|--|
| Preservative:      | Thimerosal (Merthiolate)   |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |

## Images



### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: HeLa 10% SDS PAGE antibody diluted at 1:1000



### Immunofluorescence

**Image 2.** ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using MEF2A, antibody at 1:200 dilution.