

Datasheet for ABIN743787

## anti-MEF2A antibody (pSer408) (Cy5)



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### Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | MEF2A                                                                                                                             |
| Binding Specificity: | pSer408                                                                                                                           |
| Reactivity:          | Human, Mouse, Rat                                                                                                                 |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This MEF2A antibody is conjugated to Cy5                                                                                          |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

### Product Details

|                   |                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic phosphopeptide derived from human MEF2A around the phosphorylation site of Ser408 |
| Isotype:          | IgG                                                                                                        |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                          |
| Purification:     | Purified by Protein A.                                                                                     |

### Target Details

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

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: mef2, ADCAD1, RSRFC4, RSRFC9, Myocyte-specific enhancer factor 2A, Serum response factor-like protein 1, MEF2A</p> <p>Background: Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT](4)TAR-3', found in numerous muscle-specific genes. Also involved in the activation of numerous growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. In cerebellar granule neurons, phosphorylated and sumoylated MEF2A represses transcription of NUR77 promoting synaptic differentiation. Associates with chromatin to the ZNF16 promoter.</p> |
| 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: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |

## Handling

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|                  |                                                                                   |
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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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|--------------|-----------|
| Expiry Date: | 12 months |
|--------------|-----------|