

Anti-MEF2A (AcK403) Antibody

Rabbit polyclonal antibody to MEF2A (AcK403) Catalog # AP60833

Specification

Anti-MEF2A (AcK403) Antibody - Product Information

Application WB
Primary Accession Q02078
Other Accession Q60929

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 54811

Anti-MEF2A (AcK403) Antibody - Additional Information

Gene ID 4205

Other Names

MEF2; Myocyte-specific enhancer factor 2A; Serum response factor-like protein 1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MEF2A. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/2000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-MEF2A (AcK403) Antibody - Protein Information

Name MEF2A

Synonyms MEF2

Function

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.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00251, ECO:0000269|PubMed:12691662, ECO:0000269|PubMed:16563226}

Tissue Location

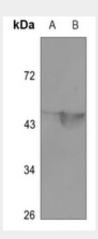
Isoform MEF2 and isoform MEFA are expressed only in skeletal and cardiac muscle and in the brain. Isoform RSRFC4 and isoform RSRFC9 are expressed in all tissues examined

Anti-MEF2A (AcK403) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-MEF2A (AcK403) Antibody - Images



Western blot analysis of MEF2A (AcK403) expression in mouse brain (A), mouse muscle (B) whole cell lysates.

Anti-MEF2A (AcK403) Antibody - Background

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