

MEF2A / MEF2 Antibody (clone 1D11)

Mouse Monoclonal Antibody Catalog # ALS14101

Specification

MEF2A / MEF2 Antibody (clone 1D11) - Product Information

Application IHC
Primary Accession Q02078
Reactivity Human
Host Mouse
Clonality Monoclonal
Calculated MW 55kDa KDa

MEF2A / MEF2 Antibody (clone 1D11) - Additional Information

Gene ID 4205

Other Names

Myocyte-specific enhancer factor 2A, Serum response factor-like protein 1, MEF2A, MEF2

Target/Specificity

Human MEF2A

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

MEF2A / MEF2 Antibody (clone 1D11) is for research use only and not for use in diagnostic or therapeutic procedures.

MEF2A / MEF2 Antibody (clone 1D11) - 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

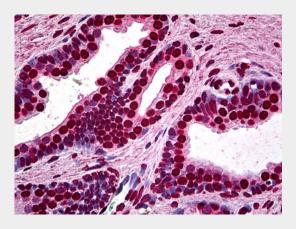
Isoform MEF2 and isoform MEFA are expressed only in skeletal and cardiac muscle and in the brain. Isoform RSRFC4 and isoform RSRFC9 are expressed in all tissues examined

MEF2A / MEF2 Antibody (clone 1D11) - Protocols

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

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

MEF2A / MEF2 Antibody (clone 1D11) - Images



Anti-MEF2A antibody IHC of human prostate.

MEF2A / MEF2 Antibody (clone 1D11) - Background

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MEF2A / MEF2 Antibody (clone 1D11) - References

Pollock R.,et al.Genes Dev. 5:2327-2341(1991). Treisman R.,et al.Submitted (NOV-1993) to the EMBL/GenBank/DDBJ databases. Yu Y.-T.,et al.Genes Dev. 6:1783-1798(1992). Suzuki E.,et al.Submitted (FEB-1996) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004).

