

Anti-MEF2A (AcK403) Antibody

Rabbit polyclonal antibody to MEF2A (AcK403)

Catalog # AP60833

Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q02078 |
| Other Accession | Q60929 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 54811 |

Additional Information

| | |
|--------------------|---|
| Gene ID | 4205 |
| Other Names | MEF2; Myocyte-specific enhancer factor 2A; Serum response factor-like protein 1 |
| Target/Specificity | Recognizes endogenous levels of MEF2A (AcK403) protein. |
| 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 |

Protein Information

| | |
|----------|--|
| Name | MEF2A |
| Synonyms | MEF2 |
| Function | <p>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> <p>Nucleus {ECO:0000255 PROSITE-ProRule:PRU00251,</p> |

Cellular Location

ECO:0000269 | PubMed:12691662, ECO:0000269 | PubMed:16563226}

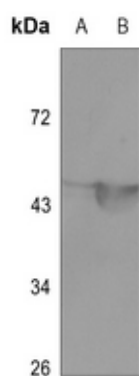
Tissue Location

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

Background

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

Images



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

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