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Anti-MEF2A (Acetyl-K403) Antibody

Catalog # AP60833

Product Information

Application	WB
Primary Accession	Q02078
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	KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K403 of human MEF2A protein. 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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

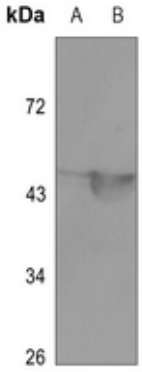
Protein Information

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

Images



Western blot analysis of MEF2A (Acetyl-K403) expression in mouse brain (A), mouse muscle (B) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 53 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.