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Anti-MEF2A Antibody

Catalog # ABV11942

Product Information

Application	WB
Primary Accession	Q02078
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	54811

Additional Information

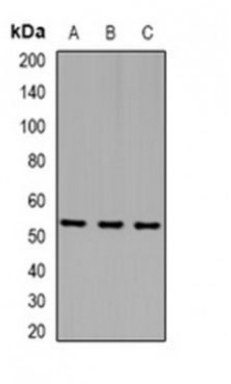
Gene ID	4205
Positive Control	WB; HEK293T, mouse muscle, rat muscle cell lysates
Application & Usage	WB; 1:500 – 1:2000
Other Names	MEF2; Myocyte-specific enhancer factor 2A; Serum response factor-like protein 1
Target/Specificity	MEF2A
Antibody Form	Liquid
Appearance	Colorless liquid
Handling	The antibody solution should be gently mixed before use
Reconstitution & Storage	-20°C
Background Descriptions	
Precautions	Anti-MEF2A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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



WB analysis of MEF2A (AcK403) expression in HEK293T (A): mouse muscle (B): rat muscle (C) whole cell lysates

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