

Anti-MEF2C Antibody (aa362-411)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18307

Product Information

Application	WB, IHC-P, E
Primary Accession	Q06413
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51221

Additional Information

Gene ID	4208
Alias Symbol	MEF2C
Other Names	MEF2C, C5DELq14.3, DEL5q14.3, Myocyte enhancer factor 2C
Target/Specificity	MEF2C (Ab-396) Antibody detects endogenous levels of total MEF2C protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-MEF2C Antibody (aa362-411) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MEF2C (HGNC:6996)
Function	Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Enhances transcriptional activation mediated by SOX18. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture (By similarity). Isoforms that lack the repressor domain are more active than isoform 1.

Cellular Location	Nucleus {ECO:0000250 UniProtKB:A0A096MJY4}. Cytoplasm, sarcoplasm {ECO:0000250 UniProtKB:A0A096MJY4}
Tissue Location	Expressed in brain and skeletal muscle.

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