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Anti-MEF2C Rabbit Monoclonal Antibody
Catalog # ABO15321

Specification

Anti-MEF2C Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q06413
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-MEF2C Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Rat.

Anti-MEF2C Rabbit Monoclonal Antibody - Additional Information

Gene ID 4208

Other Names
Myocyte-specific enhancer factor 2C, Myocyte enhancer factor 2C {ECO:0000312|HGNC:HGNC:6996}, MEF2C (HGNC:6996)

Application Details
WB 1:500-1:2000
IHC 1:100-1:500

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human MEF2C

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-MEF2C Rabbit Monoclonal Antibody - 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}

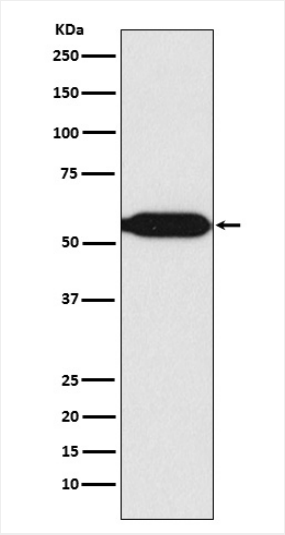
Tissue Location
Expressed in brain and skeletal muscle.

Anti-MEF2C Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MEF2C Rabbit Monoclonal Antibody - Images



Western blot analysis of MEF2C expression in Raji cell lysate.