

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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6996)
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}

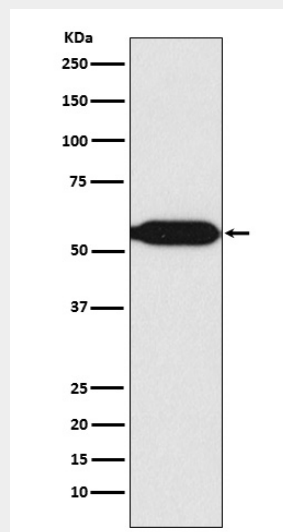
Tissue Location

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 Cytometry](#)
- [Cell Culture](#)

Anti-MEF2C Rabbit Monoclonal Antibody - Images

Western blot analysis of MEF2C expression in Raji cell lysate.