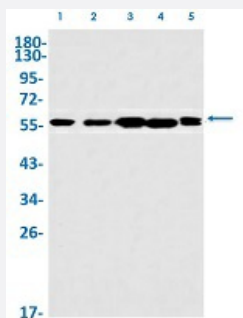


RecomAb™

MEF2A recombinant monoclonal antibody, clone R04-2C8

Catalog # RAB02111 Size 100 uL

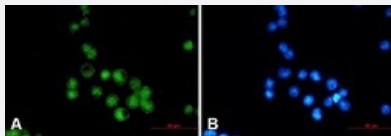
Applications



Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: rat brain, Lane 3: C6 and Lane 4: HeLa lysates with MEF2A recombinant monoclonal antibody, clone R04-2C8 (Cat # RAB02111).

Immunocytochemistry



Immunocytochemical staining of MCF-7 with MEF2A recombinant monoclonal antibody, clone R04-2C8 (Cat # RAB02111). (A) MEF2A (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MEF2A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MEF2A.
Theoretical MW (kDa)	Calculated MW: 55 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: rat brain, Lane 3: C6 and Lane 4: Hela lysates with MEF2A recombinant monoclonal antibody, clone R04-2C8 (Cat # RAB02111).

- Immunocytochemistry

Immunocytochemical staining of MCF-7 with MEF2A recombinant monoclonal antibody, clone R04-2C8 (Cat # RAB02111). (A) MEF2A (green) and (B) DAPI (blue).

- Immunofluorescence

Gene Info — MEF2A

Entrez GeneID	4205
Protein Accession#	Q02078
Gene Name	MEF2A
Gene Alias	ADCAD1, RSRFC4, RSRFC9
Gene Description	myocyte enhancer factor 2A
Omim ID	600660 608320
Gene Ontology	Hyperlink

Gene Summary

The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes 'agamous' and 'deficiens' and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain.[supplied by OMIM]

Other Designations

MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)

Disease

- [Atherosclerosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Polycystic Ovary Syndrome](#)
- [Tobacco Use Disorder](#)