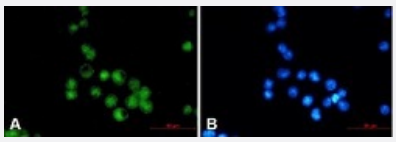
RecomAb™

MEF2A recombinant monoclonal antibody, clone R04-2C8

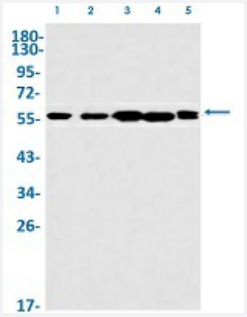
Catalog # RAB02111 Size 100 uL

Applications



Immunocytochemistry

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



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).

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

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Preparation Method	Mammalian cell (CHO) expression system
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 shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry

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

- 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).

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

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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

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