

MaxPab®

MEF2A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004205-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MEF2A protein.
Immunogen	MEF2A (ABZ92017.1, 1 a.a. ~ 499 a.a) full-length human protein.
Sequence	MGRKKIQITRIMDERNRQVTFTKRKFGLMKKAYELSVLCDCEIALIIFNSSNKL FQYASTDMDKVLLK YTEYNEPHESRTNSDIVEALNKKEHRGCDSPDPDTSYVLTPTHEEKYKKINEEFDNMMRNH K IAPG LPPQNFMSVTVPTSPNALSYTNPGSSLVSPSLAASSTLTDSSMLSPQTTLHRNVSPGAPQR PPSTGNAGGMLSTTDLTPVNGAGSSPVGNFVNSRASPNLIGATGANS LGKVMPTKSPPPPGG GNLGMNSRKPDLRVVIPSSKGMMPPLNTQRISSSQATQPLATPVVSVTTPSLPPQGLVYSAMPT AYNTDYSLTADLSALQG FNSPGMLS LGQVSAWQQHHLGQAALSSLVAGGQLSQGSNLSINTNQ NISIKSEPISPPRDRMTPSGFQQQQQQQQQQPPPPPPQPQPQPQPQPRQEMGRSPVDSLSSS SSSYDGS DREDPRGDFHSPV LGRPPNTEDRESPSVKRM RMDAWVT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (95)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — MEF2A

Entrez GeneID [4205](#)

GeneBank Accession# [EU446488.1](#)

Protein Accession# [ABZ92017.1](#)

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](#)
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