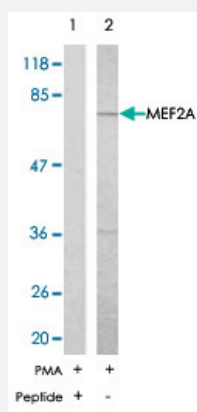


MEF2A polyclonal antibody

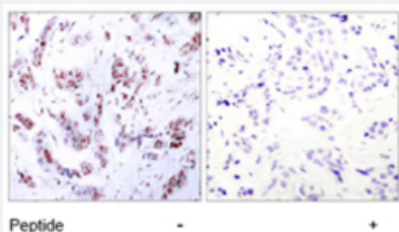
Catalog # PAB5441 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extract from NIH/3T3 , using MEF2A polyclonal antibody (Cat # PAB5441) .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEF2A polyclonal antibody (Cat # PAB5441) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MEF2A.
Immunogen	A synthetic peptide corresponding to residues surrounding T312 of human MEF2A.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
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 (Cell lysate)

Western blot analysis of extract from NIH/3T3 , using MEF2A polyclonal antibody (Cat # PAB5441) .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEF2A polyclonal antibody (Cat # PAB5441) .

Gene Info — MEF2A

Entrez GeneID	4205
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)

Publication Reference

- [Big mitogen-activated kinase regulates multiple members of the MEF2 protein family.](#)

Kato Y, Zhao M, Morikawa A, Sugiyama T, Chakravorty D, Koide N, Yoshida T, Tapping RI, Yang Y, Yokochi T, Lee JD.
The Journal of Biological Chemistry 2000 Jun; 275(24):18534.

- [Regulation of the MEF2 family of transcription factors by p38.](#)

Zhao M, New L, Kravchenko VV, Kato Y, Gram H, di Padova F, Olson EN, Ulevitch RJ, Han J.
Molecular and Cellular Biology 1999 Jan; 19(1):21.

Application: EMSA, IP, Human, 293 cells

Disease

- [Atherosclerosis](#)
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- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
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