



# MEF-2C Polyclonal Antibody

Catalog No	BYab-01866
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	MEF2C
Protein Name	Myocyte-specific enhancer factor 2C
Immunogen	The antiserum was produced against synthesized peptide derived from human MEF2C. AA range:362-411
Specificity	MEF-2C Polyclonal Antibody detects endogenous levels of MEF-2C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MEF2C; Myocyte-specific enhancer factor 2C
Observed Band	51kD
Cell Pathway	Nucleus . Cytoplasm, sarcoplasm .
Tissue Specificity	Expressed in brain and skeletal muscle.
Function	alternative products:Additional isoforms seem to exist,developmental stage:Expression is highest during the early stages of postnatal development, at later stages levels greatly decrease.,domain:The beta domain, missing in a number of isoforms, is required for enhancement of transcriptional activity.,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. May also be involved in neurogenesis and in the development of cortical architecture (By similarity). Isoform 3 and isoform 4, which lack the repressor domain, are more active than isoform 1 and isoform 2.,PTM:Acetylated by p300 on several sites in diffentiating myocytes. Acetylation on Lys-4 increases

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## DNA binding and transactivation.,PTM:Phosphorylation on Se

**Background**

This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe mental retardation, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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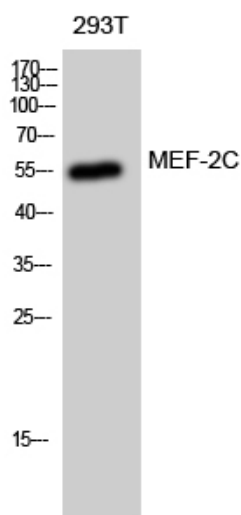
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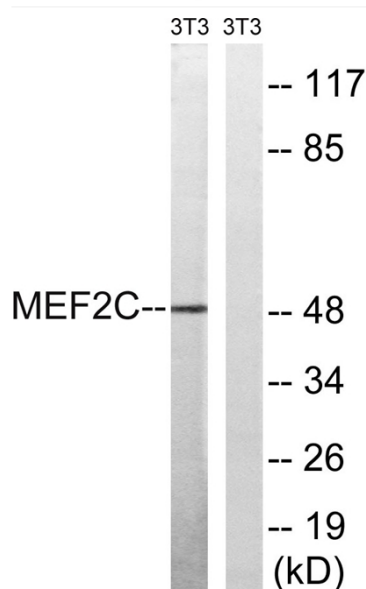
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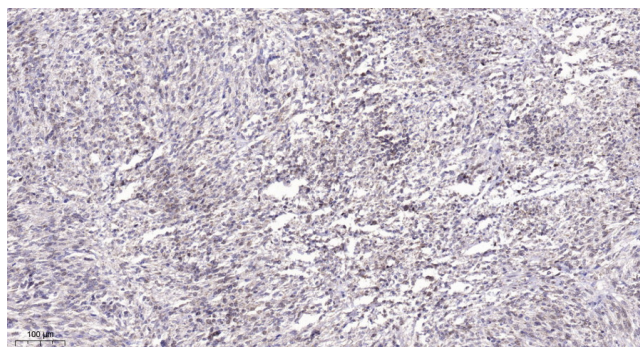
## Products Images



Western Blot analysis of 293T cells using MEF-2C Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysates from NIH/3T3 cells, treated with starved 24h, using MEF2C Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Small intestinal stromal tumor. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight). 3, Secondary antibody was diluted at 1:200(room temperature, 45min).

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