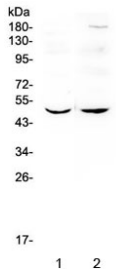
MEF2C Antibody (RQ4589)

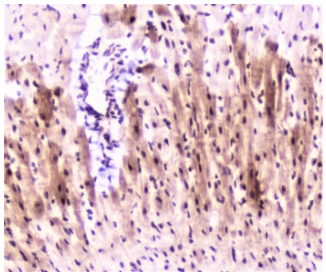
Catalog No.	Formulation	Size
RQ4589	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

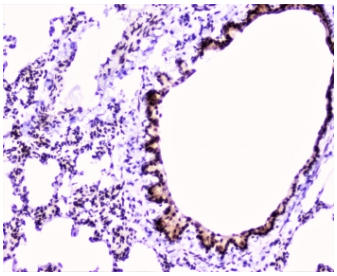
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q06413
Localization	Nucleus, sarcoplasm (cytoplasm of muscle cell)
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 2-3ug/ml
Limitations	This MEF2C antibody is available for research use only.



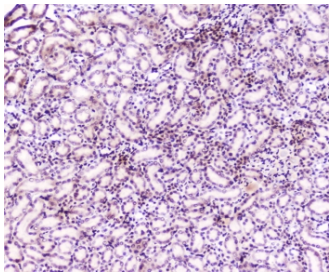
Western blot testing of 1) rat brain and 2) mouse brain lysate with MEF2C antibody at 0.5ug/ml. Predicted molecular weight ~51 kDa.



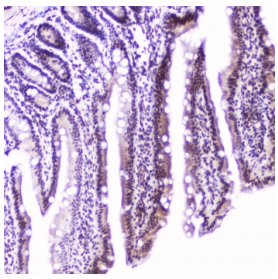
IHC staining of FFPE rat heart with MEF2C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat lung with MEF2C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat kidney with MEF2C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat small intestine with MEF2C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

MEF2C (myocyte enhancer factor 2C), also called MADS box transcription enhancer factor 2, polypeptide C, is a protein that in humans is encoded by the MEF2C gene. MEF2C is a transcription factor in the Mef2 family. MEF2C, however, is induced late during myogenic differentiation and has a strict tissue-specific pattern of expression not seen in MEF2A or MEF2B. By fluorescence in situ hybridization, the human MEF2C is mapped to chromosome 5q14, a region with homology of synteny to the mouse location. MEF2C may be involved with maintenance of the differentiated state. Both MEF2A and Mef2c programmed similar profiles of gene expression in the heart that included genes involved in extracellular matrix remodeling, ion handling, and metabolism. NCOA2 mediates the coactivation of MEF2C-dependent transcription through interaction with the MADS box domain of MEF2C.

Application Notes

Optimal dilution of the MEF2C antibody should be determined by the researcher.

Immunogen

Amino acids DREDHRNEFHSPIGLTRPSPDERESPSVKRMRLSEGWAT were used as the immunogen for the MEF2C antibody.

Storage

After reconstitution, the MEF2C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.