

Datasheet for ABIN1098145
anti-MEF2C antibody (AA 1-125)

7 Images

2 Publications

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Overview

Quantity:	0.1 mg
Target:	MEF2C
Binding Specificity:	AA 1-125
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human MEF2C (AA: 1-125) expressed in E. coli.
Clone:	6H2G2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MEF2C
Alternative Name:	MEF2C (MEF2C Products)
Background:	Description: 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

Target Details

have been associated with severe mental retardation, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described. , , ,
Aliases: DEL5q14.3, C5DELq14.3

Molecular Weight: 51.2 kDa

Gene ID: 4208

HGNC: 4208

Pathways: [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Carbohydrate Homeostasis](#), [Chromatin Binding](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

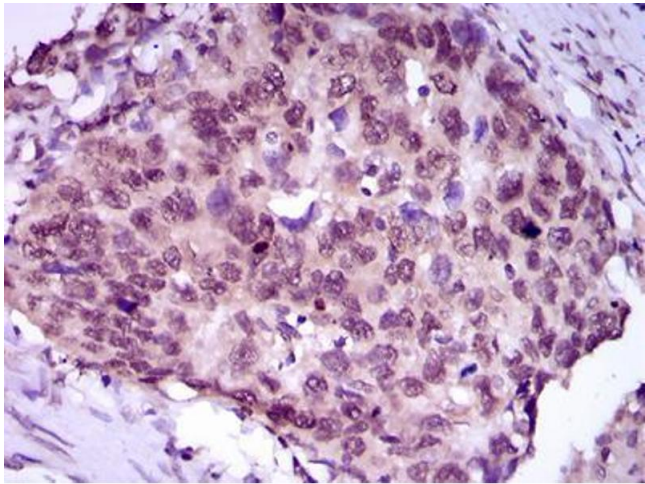
Publications

Product cited in: Xu, Cao, Wang, Xu, Chen, Xu: "VEGF promotes the transcription of the human PRL-3 gene in HUVEC through transcription factor MEF2C." in: **PLoS ONE**, Vol. 6, Issue 11, pp. e27165, (2011) ([PubMed](#)).

Stephens, Stephens, Hobbs, Hutmacher, Bacic-Welsh, Woodruff, Morrison: "Myocyte enhancer factor 2c, an osteoblast transcription factor identified by dimethyl sulfoxide (DMSO)-enhanced

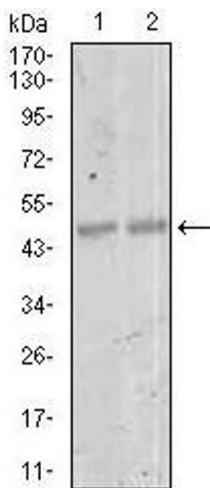
mineralization." in: **The Journal of biological chemistry**, Vol. 286, Issue 34, pp. 30071-86, (2011)
) ([PubMed](#)).

Images



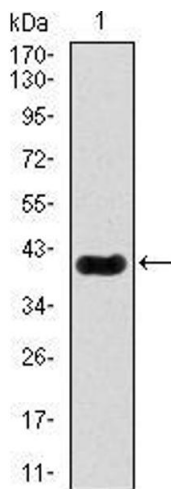
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using MEF2C mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using MEF2C mouse mAb against NIH3T3 (1) and 3T3-L1 (2) cell lysate.



Western Blotting

Image 3. Western blot analysis using MEF2C mAb against human MEF2C recombinant protein. (Expected MW is 40 kDa)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1098145.