

Datasheet for ABIN2856105

anti-MEF2C antibody

4 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	MEF2C
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MEF2C. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to MEF2C (myocyte enhancer factor 2C) MEF2C antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MEF2C
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Target Details

Alternative Name:	myocyte enhancer factor 2C (MEF2C Products)
Background:	<p>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.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	51 kDa
Gene ID:	4208
UniProt:	Q06413
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:	WB: 1:5000-1:20000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. IP: 1:100-1:500. IHC: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: Comparison
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.32 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

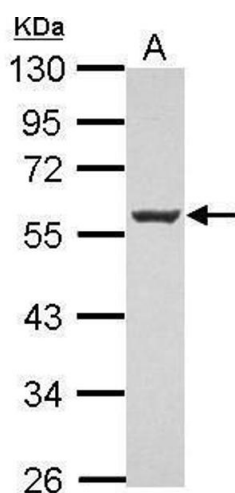
Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

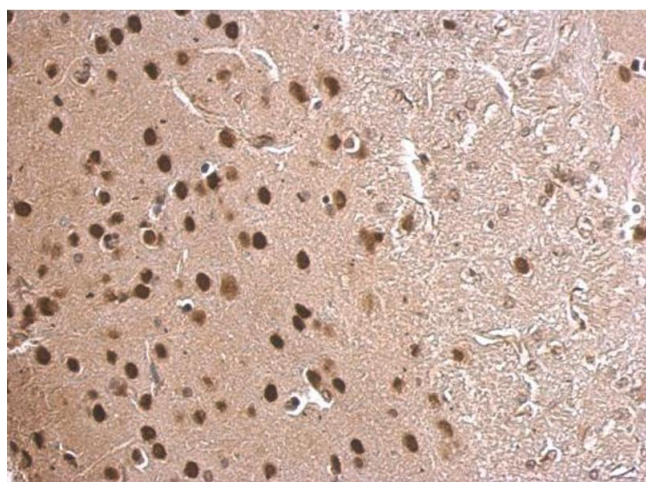
Product cited in: Yang, Chien, Lai, Su, Jan, Hsiao, Chen: "Monoamine Oxidase B Expression Correlates with a Poor Prognosis in Colorectal Cancer Patients and Is Significantly Associated with Epithelial-to-Mesenchymal Transition-Related Gene Signatures." in: **International journal of molecular sciences**, Vol. 21, Issue 8, (2020) ([PubMed](#)).

Images



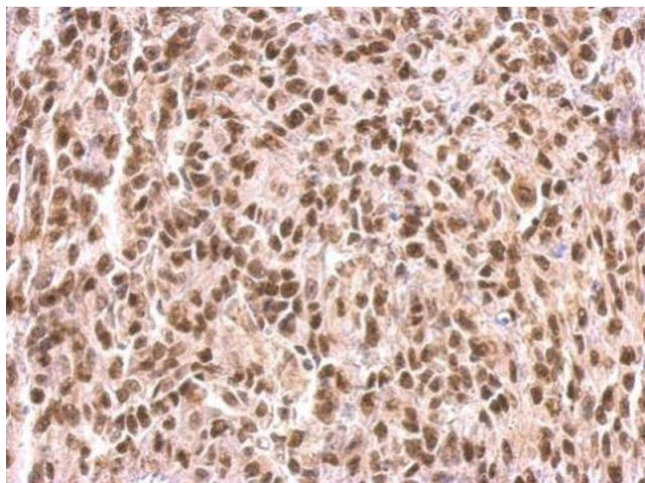
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: U87-MG 10% SDS PAGE antibody diluted at 1:10000



Immunohistochemistry

Image 2. IHC-P Image MEF2C antibody detects MEF2C protein at nucleus on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. MEF2C antibody , dilution: 1:500.



Immunohistochemistry

Image 3. IHC-P Image MEF2C antibody detects MEF2C protein at nucleus on Saos2 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded Saos2 xenograft. MEF2C antibody , dilution: 1:500.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856105.