Datasheet for ABIN2780048

anti-MEF2C antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	MEF2C
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Zebrafish (Danio rerio), Dog, Horse, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2C antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of mouse MEF2C
Sequence:	SRTNSDIVEA LNKKENKGSE SPDPDSSYAL TPRTEEKYKK INEEFDNMIK
Predicted Reactivity:	Cow: 86%, Dog: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against MEF2C. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	MEF2C

Target Details

Alternative Name:	MEF2C (MEF2C Products)
Background:	MEF2C is a transcription regulator of slow fiber Alias Symbols: Mef2, AV011172, 5430401D19Rik, 9930028G15Rik Protein Interaction Partner: Vgll2, Hdac4, Nkx2-5, Hdac5, Phb2, KDM1A, Carm1, Ifrd1, Ncoa3, Ncoa2, Foxh1, Protein Size: 432
Molecular Weight:	48 kDa
Gene ID:	17260
NCBI Accession:	NM_025282, NP_079558
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 432 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

Handling

aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

Law, Leung, Yau, Tse, Wong, Leung, Mascheck, Huang, Sauer, Tsang et al.: "Regulation of multiple transcription factors by reactive oxygen species and effects of pro-inflammatory cytokines released during myocardial infarction on cardiac differentiation of embryonic stem ..." in: **International journal of cardiology**, Vol. 168, Issue 4, pp. 3458-72, (2013) (PubMed).

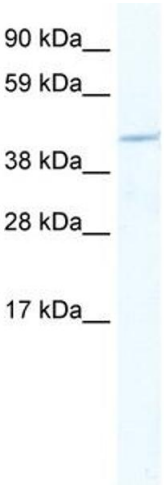
Inagawa, Miyamoto, Yamakawa, Muraoka, Sadahiro, Umei, Wada, Katsumata, Kaneda, Nakade, Kurihara, Obata, Miyake, Fukuda, Ieda: "Induction of cardiomyocyte-like cells in infarct hearts by gene transfer of Gata4, Mef2c, and Tbx5." in: **Circulation research**, Vol. 111, Issue 9, pp. 1147-56, (2012) (PubMed).

Escher, Schorderet, Cottet: "Altered expression of the transcription factor Mef2c during retinal degeneration in Rpe65-/- mice." in: **Investigative ophthalmology & visual science**, Vol. 52, Issue 8, pp. 5933-40, (2011) (PubMed).

Blin, Nury, Stefanovic, Neri, Guillevic, Brinon, Bellamy, Rücker-Martin, Barbry, Bel, Bruneval, Cowan, Pouly, Mitalipov, Gouadon, Binder, Hagège, Desnos, Renaud, Menasché, Pucéat: "A purified population of multipotent cardiovascular progenitors derived from primate pluripotent stem cells engrafts in postmyocardial infarcted nonhuman primates." in: **The Journal of clinical investigation**, Vol. 120, Issue 4, pp. 1125-39, (2010) (PubMed).

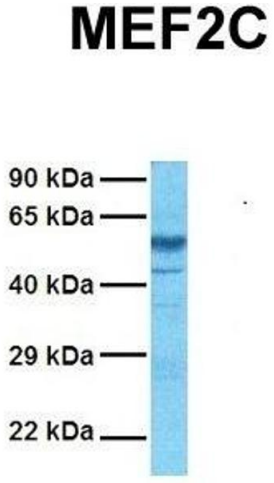
Lombardi, Dong, Rodriguez, Bell, Leung, Schwartz, Willerson, Brugada, Marian: "Genetic fate mapping identifies second heart field progenitor cells as a source of adipocytes in arrhythmogenic right ventricular cardiomyopathy." in: **Circulation research**, Vol. 104, Issue 9, pp. 1076-84, (2009) (PubMed).

There are more publications referencing this product on: Product page



Western Blotting

Image 1. WB Suggested Anti-MEF2C Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: SP2/0 cell lysate



Western Blotting

Image 2. Host: Rabbit Target Name: MEF2C Sample Tissue: Human Fetal Brain Antibody Dilution: 1.0ug/ml