

Datasheet for ABIN7138767
anti-MEF2A antibody (pThr319)



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1 Image

Overview

Quantity:	100 µL
Target:	MEF2A
Binding Specificity:	pThr319
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2A antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Thr319 (V-T-T(p)-P-S) derived from Human MEF2A.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	MEF2A
Alternative Name:	MEF2A (MEF2A Products)

Target Details

Background:	Background: The process of differentiation from mesodermal precursor cells to myoblasts has led to the discovery of a variety of tissue-specific factors that regulate muscle gene expression. The myogenic basic helix-loop-helix proteins, including myoD (MIM 159970), myogenin (MIM 159980), MYF5 (MIM 159990), and MRF4 (MIM 159991) are one class of identified factors. A second family of DNA binding regulatory proteins is the myocyte-specific enhancer factor-2 (MEF2) family. Each of these proteins binds to the MEF2 target DNA sequence present in the regulatory regions of many, if not all, muscle-specific genes. The MEF2 genes are members of the MADS gene family (named for the yeast mating type-specific transcription factor MCM1, the plant homeotic genes 'agamous' and 'deficiens' and the human serum response factor SRF (MIM 600589)), a family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain Shore, P. et al. (1995) Eur. J. Biochem. 229, 1-13 Martin, J.F. et al. (1994) Mol. Cell. Biol. 14, 1647-1656 Yu, Y.T. et al. (1992) Genes Dev. 6, 1783-1798 Zhao, M. et al. (1999) Mol. Cell. Biol. 19, 21-30 Aliases: ADCAD1 antibody, MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A) antibody, MEF2 antibody, MEF2A antibody, MEF2A_HUMAN antibody, Myocyte enhancer factor 2A antibody, Myocyte-specific enhancer factor 2A antibody, RSRFC4 antibody, RSRFC9 antibody, Serum response factor like protein 1 antibody, Serum response factor-like protein 1 antibody
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UniProt:	Q02078
Pathways:	Neurotrophin Signaling Pathway , Activation of Innate immune Response , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Muscle Cell Differentiation , Toll-Like Receptors Cascades

Application Details

Application Notes:	IF:1:100-1:200,
Restrictions:	For Research Use only

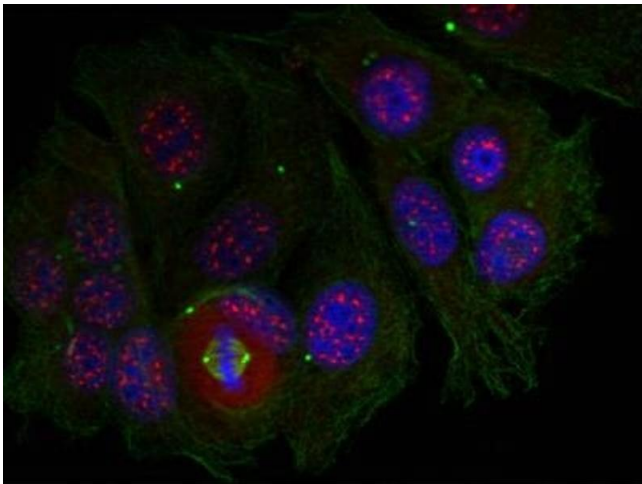
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM

Handling

	NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed HeLa cells using MEF2A(Phospho-Thr319) Antibody.