Datasheet for ABIN2804090

anti-MEF2A antibody (AbBy Fluor® 594)

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Overview

Quantity:	100 µL
Target:	MEF2A
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2A antibody is conjugated to AbBy Fluor® 594
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MEF2
Isotype:	IgG
Purification:	Purified by Protein A.

Target Details

Target:	MEF2A
Alternative Name:	MEF2A (MEF2A Products)
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

Target Details

	(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.MEF2A belongs to a family of DNA binding regulatory proteins. The MEF2 family of transcription factors is highly expressed in the brain when neurons undergo dendritic maturation and synapse formation. MEF2A is especially abundant in granule neurons of the cerebellar cortex throughout the period of synaptogenesis. MEF2A also has key roles in cardiac and skeletal muscle development. Synonyms: myocyte enhancer-binding factor 2, ADCAD1, MADS box transcription enhancer factor 2 polypeptide A, MADS box transcription enhancer factor 2, polypeptide A myocyte enhancer factor 2A, MEF 2A, MEF2, MEF2A, Myocyte enhancer factor 2A, RSRFC4, RSRFC9, Serum response factor like protein 1.
Gene ID:	4205
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(IHC-P)(1:50-200)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % 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:	-20 °C

Handling

Storage Comment:	Store at 4°C
Expiry Date:	12 months