

Datasheet for ABIN953380

anti-MEF2A antibody (Middle Region)



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3 Images

Overview

Quantity:	0.4 mL
Target:	MEF2A
Binding Specificity:	AA 459-488, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEF2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 459~488 amino acids from the Center region of human MEF2A
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse MEF2A (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	MEF2A
Alternative Name:	MEF2A (MEF2A Products)

Target Details

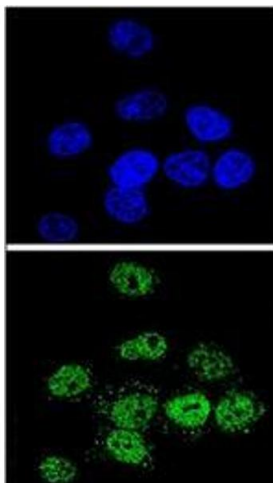
Background:	MEF2A is a DNA-binding transcription factor that activates many muscle-specific, growth factor-induced, and stress-induced genes. The encoded protein can act as a homodimer or as a heterodimer and is involved in several cellular processes, including muscle development, neuronal differentiation, cell growth control, and apoptosis. Defects in this protein could be a cause of autosomal dominant coronary artery disease 1 with myocardial infarction (ADCAD1).Synonyms: MEF2, Myocyte-specific enhancer factor 2A, Serum response factor-like protein 1
Molecular Weight:	54811 Da
Gene ID:	4205
NCBI Accession:	NP_001124398
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:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

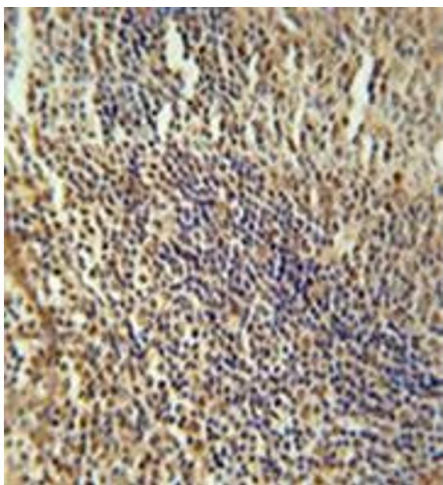
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



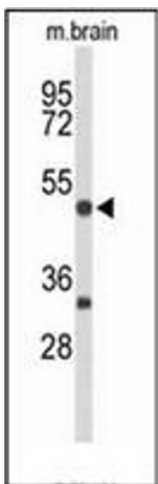
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of MEF2A Antibody (Center) Cat.-No AP52661PU-N with Hela cell followed by Alexa Fluor®488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue reacted with MEF2A Antibody (Center) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the MEF2A Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of MEF2A Antibody (Center) in mouse brain tissue lysates (35ug/lane). MEF2A (arrow) was detected using the purified Pab.