

Datasheet for ABIN4886665  
**anti-MEF2A antibody (C-Term)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	MEF2A
Binding Specificity:	AA 466-507, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Myocyte-specific enhancer factor 2A(MEF2A) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MEF2A (466-507aa DGSDREDPRGDFHSPIVLGRPPNTEDRESPSVKRMMDAW VT), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Sequence:	DGSDREDPRG DFHSPIVLGR PPNTEDRESP SVKRMMDAW
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Myocyte-specific enhancer factor 2A(MEF2A) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: myocyte enhancer factor 2A Protein Name: Myocyte-specific enhancer factor 2A

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: MEF2A

Alternative Name: MEF2A ([MEF2A Products](#))

Background: Myocyte-specific enhancer factor 2A is a protein that in humans is encoded by the MEF2A gene. It is mapped to 15q26. The protein encoded by this gene 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 gene could be a cause of autosomal dominant coronary artery disease 1 with myocardial infarction (ADCAD1). Several transcript variants encoding different isoforms have been found for this gene.

Synonyms: ADCAD1 | MEF 2A | MEF2 | MEF2A | myocyte enhancer factor 2A | Myocyte-specific enhancer factor 2A | RSRFC4 | RSRFC9 | Q02078

Gene ID: 4205

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: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

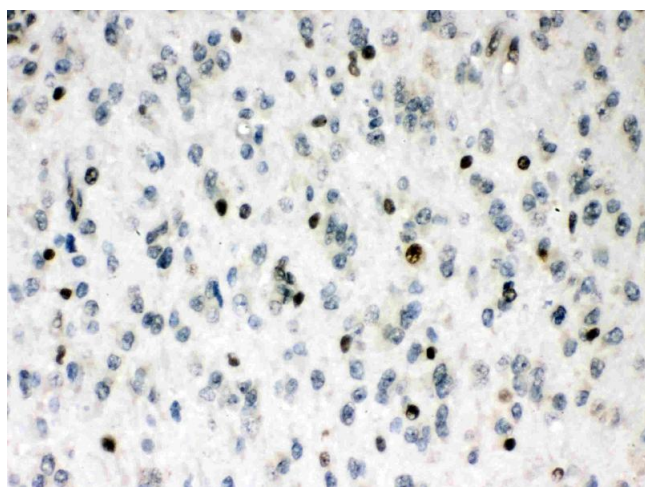
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

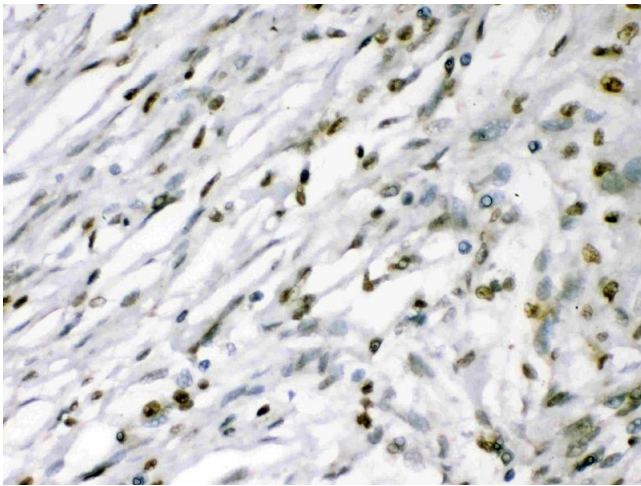
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



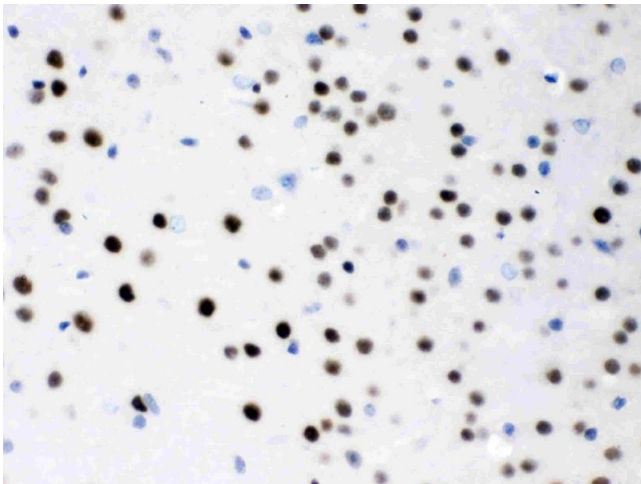
### Immunohistochemistry

**Image 1.** MEF2A was detected in paraffin-embedded sections of human glioma tissues using rabbit anti- MEF2A Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



#### Immunohistochemistry

**Image 2.** MEF2A was detected in paraffin-embedded sections of human meningeoma tissues using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



#### Immunohistochemistry

**Image 3.** MEF2A was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti-MEF2A Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN4886665.