

## MEF2a(Ab-319) Antibody

Catalog No: #21040

Package Size: #21040-1 50ul #21040-2 100ul

## Description

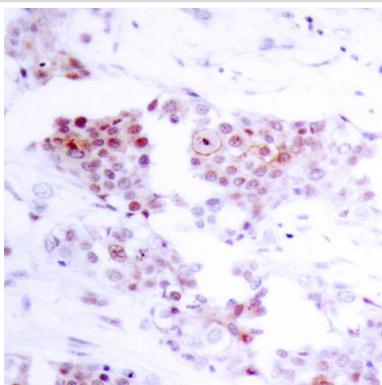
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | MEF2a(Ab-319) Antibody                                                                                                                                                        |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | IHC                                                                                                                                                                           |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of total MEF2A protein.                                                                                                                 |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.317~321 (V-T-T-P-S) derived from Human MEF2A.                                                                                                      |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | MEF2a                                                                                                                                                                         |
| Other Names           | MEF2; Serum response factor-like protein 1;                                                                                                                                   |
| Accession No.         | Swiss-Prot: Q02078NCBI Protein: NP_001124398.1                                                                                                                                |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 54kd

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEF2A(Ab-319) Antibody #21040

## 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

Kato Y, et al. (2000) J Biol Chem. 275(24): 18534-18540.

Zhao M, et al. (1999) Mol Cell Biol. 19(1): 21-30.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.