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35-1396: Polyclonal Antibody to MEF2A (Ab-319)

Clonality :	Polyclonal
Application :	IHC
Reactivity :	Human,Mouse,Rat
Gene :	MEF2A
Gene ID :	4205
Uniprot ID :	Q02078
Format :	Purified
Alternative Name :	MEF2, Serum response factor-like protein 1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.317~321 (V-T-T-P-S) derived from Human MEF2A.

Description

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

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 54kd, Immunohistochemistry: 1:50~1:100

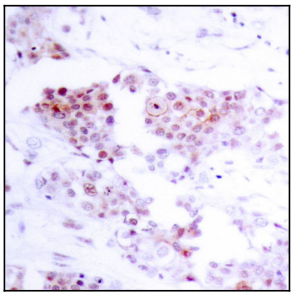

Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEF2A(Ab-319) Antibody 35-1396

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