

MEF2a(Ab-312) Antibody

Catalog No: #21039

Package Size: #21039-1 50ul #21039-2 100ul

Description

Product Name	MEF2a(Ab-312) 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	WB 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.310~314 (L-A-T-P-V) 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 ²⁺ and Ca ²⁺), 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.

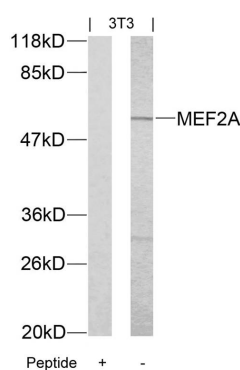
Application Details

Predicted MW: 54kd

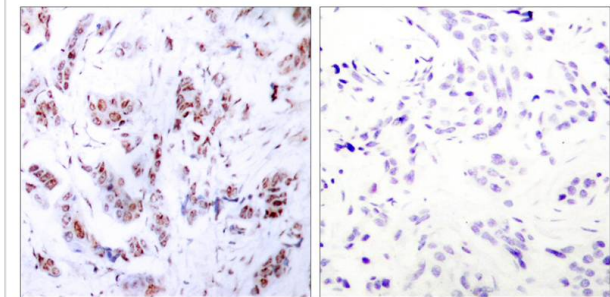
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 3T3 cells using MEF2A(Ab-312) Antibody #21039 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEF2A(Ab-312) Antibody #21039(left) or the same antibody preincubated with blocking peptide(right).

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.

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