

**MEF2A monoclonal antibody**

Catalog: MB11201

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT]4TAR-3', found in numerous muscle-specific genes. Also involved in the activation of numerous growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. In cerebellar granule neurons, phosphorylated and sumoylated MEF2A represses transcription of NUR77 promoting synaptic differentiation. Associates with chromatin to the ZNF16 promoter.

**Product:**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

**Molecular Weight:**

Calculated MW: 55 kDa; Observed MW: 55 kDa

**Swiss-Prot:**

Q02078

**Purification&Purity:**

Affinity Purified

**Applications:**

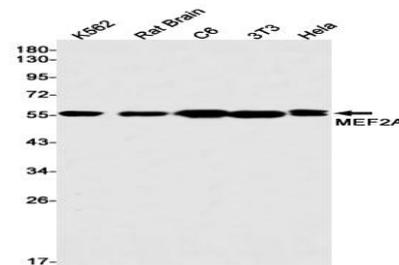
WB: 1/500-1/1000 IF: 1/50-1/200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:**

IgG

**DATA:**

Western blot analysis of MEF2A in K562, rat Brain, C6, 3T3, HeLa lysates using MEF2A antibody.

Immunocytochemistry analysis of MEF2A in MCF-7 using MEF2A antibody, and DAPI

**Note:**

For research use only, not for use in diagnostic procedure.

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