Anti-Phospho-Ser\textsuperscript{222} MEF2C Antibody

Catalog#: p1208-222  Size: 100 µl

Host: Rabbit  Applications: WB  1:1000
Species Tested: H
Species Reactivity*: B, Ch, GP, M, NHP, R, S
Molecular Reference: \(~51\) kDa

**Product Description:** Affinity purified rabbit polyclonal antibody.

**Biological Significance:** MEF2C, also known as MADS box transcription enhancer factor 2, polypeptide C, is one of 4 MEF2 (myocyte enhancer factor 2) transcription factors that encode proteins for development of skeletal muscle and brain proliferation and differentiation (McDermott et al, 1993), along with regulating stress-response during cardiac hypertrophy in mammals (Wu et al, 2015). Phosphorylation of MEF2C at serine 59 has been shown to be negatively regulated by integrin-linked kinase (ILK) (Dong et al, 2015). Recently, high MEF2C expression has been associated with a subset of acute myeloid leukemia (AML) patients with adverse-risk disease features and poor outcomes (Laszlo et al, 2015). Phosphorylation of MEF2C at serine 222 may play a key role in MEF2C signaling.

**Antigen:** Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser\textsuperscript{222} of human MEF2C.

**Antibody Specificity:** Specific for endogenous levels of the \(~51\) kDa MEF2C protein phosphorylated at Ser\textsuperscript{222}. Immunolabeling is completely eliminated by treatment with \(\lambda\)-Phosphatase.

**Purification Method:** Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.

**Quality Control Tests:** Western blots performed on each lot.

**Packaging:** 100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg BSA per ml and 50% glycerol.

**Storage and Stability:** Shipped on blue ice. Storage at \(-20^\circ\)C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at \(-20^\circ\)C.
General References:


