

MEF-2 (phospho-T319) polyclonal antibody

Catalog: BS4121

Host: Rabbit

Reactivity: Human

BackGround:

The myocyte enhancer factor-2 (MEF-2) family of transcription factors associated with co-repressors or co-activators to regulate development and function of T cells, neuronal cells and muscle cells. Four family members arise from alternatively spliced transcripts, termed MEF-2A, -2B, -2C and -2D. These members bind as homo- and heterodimers to the MEF-2 site in the promoter region of affected genes. Differential regulation in the expression of the four transcripts implies functional distinction for each during embryogenesis and development. 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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q02078

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

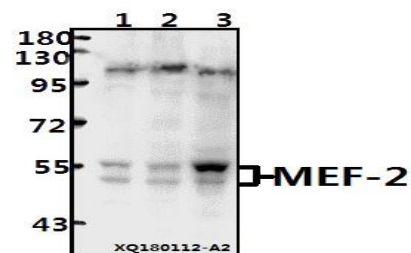
Storage&Stability:

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

Specificity:

p-MEF-2 (T319) polyclonal antibody detects endogenous levels of MEF-2 protein only when phosphorylated at Thr319

DATA:

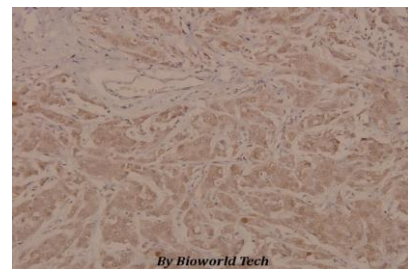


Western blot (WB) analysis of MEF-2 (p-T319) pAb at 1:500 dilution

Lane1:HCC827 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-MEF-2 (T319) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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