TWIST1 monoclonal antibody

Catalog: LM1040 Host: Mouse Reactivity: Human,Mouse

BackGround:

Acts as a transcriptional regulator. Inhibits myogenesis by sequestrating E proteins, inhibiting trans-activation by MEF2, and inhibiting DNA-binding by MYOD1 through physical interaction. This interaction probably involves the basic domains of both proteins. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Regulates cranial suture patterning and fusion. Activates transcription as a heterodimer with E proteins. Regulates gene expression differentially, depending on dimer composition. Homodimers induce expression of FGFR2 and POSTN while heterodimers repress FGFR2 and POSTN expression and induce THBS1 expression. Heterodimerization is also required for osteoblast differentiation. Represses the activity of the circadian transcriptional activator: NPAS2-ARNTL/BMAL1 heterodimer.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 22 kDa

Swiss-Prot:

Q15672

Purification&Purity:

Purified antibody in PBS with 0.05% sodium azide and 0.5% protein stabilizer

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

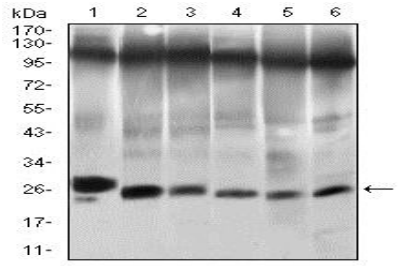
Storage&Stability:

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

Specificity:

TWIST1 monoclonal antibody detects endogenous levels of TWIST1 protein.

DATA:



Western blot (WB) analysis of TWIST1 monoclonal antibody

Lane1:NIH/3T3 whole cell lysate

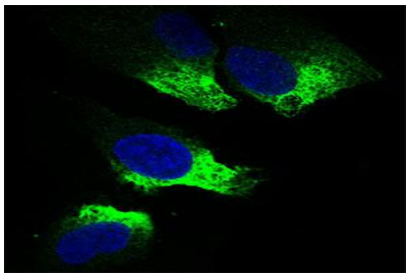
Lane2:Jurkat whole cell lysate

Lane2:Hela whole cell lysate

Lane2: A549 whole cell lysate

Lane2:Raji whole cell lysate

Lane2:OCM1 whole cell lysate



Immunofluorescence analysis of Hela cells using TWIST1 monoclonal antibody (green).

Note:

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

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