

Myf-6 (R150) polyclonal antibody

Catalog: BS1956

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development includes Myo D, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Most muscle cells express either Myo D or Myf-5 in the committed state, but when induced to differentiate, all turn on expression of myogenin. Myo D transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. Myo D-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes.

Product:

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

Molecular Weight:

~ 30 kDa

Swiss-Prot:

P23409

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:

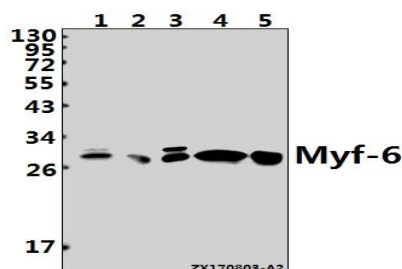
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Myf-6 (R150) polyclonal antibody detects endogenous levels of Myf-6 protein.

DATA:



Western blot (WB) analysis of Myf-6 (R150) pAb at 1:1000 dilution

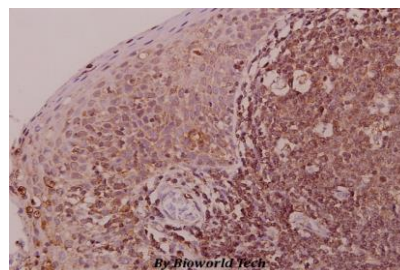
Lane1:THP-1 whole cell lysate(40ug)

Lane2:MG63 whole cell lysate(20ug)

Lane3:PC3 whole cell lysate(10ug)

Lane4:H9C2 whole cell lysate(40ug)

Lane5:SP2/0 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of Myf-6 (R150) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

Note:

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

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