

Musculin (R167) polyclonal antibody

Catalog: BS1886

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

MyoD-E or musculin-E heterodimers bind avidly to consensus E box motifs, which are functionally important elements in the promoter regions of many musclespecific terminal differentiation genes. MyoD complexes potently induce transcriptional activation, while musculin complexes bind adjacent to MyoD DNA-binding regions to represses MyoD activity, which then results in the delayed expression of muscle-specific genes. Musculin is highly expressed in undifferentiated and proliferating myoblasts in culture, and its expression is down regulated during myogenesis and at the onset of terminal differentiation.

Product:

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

Molecular Weight:

~ 22 kDa

Swiss-Prot:

O60682

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:

Musculin (R167) polyclonal antibody detects endogenous levels of Musculin protein.

DATA:

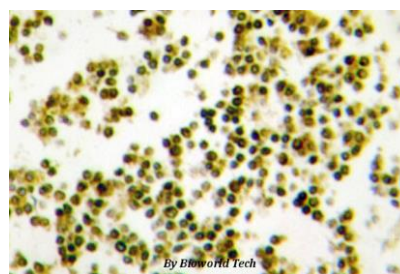


Western blot (WB) analysis of Musculin (R167) polyclonal antibody at 1:500 dilution

Lane1:HepG2 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate



Immunohistochemistry (IHC) analyzes of Musculin (R167) pAb in paraffin-embedded human lymph node tissue.

Note:

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

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