

## $\beta$ -Actin (4D3) monoclonal antibody-HRP

Catalog: BS6007MH

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Actin, a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. At least six isoforms are known in mammals. Nonmuscle  $\beta$ - and  $\gamma$ -actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells, controlling cell structure and motility.  $\alpha$ -cardiac and  $\alpha$ -skeletal actin are expressed in striated cardiac and skeletal muscles, respectively; two smooth muscle actins,  $\alpha$ - and  $\gamma$ -actin, are found primarily in vascular smooth muscle and enteric smooth muscle, respectively. These actin isoforms regulate the contractile potential of muscle cells.

### Product:

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

### Molecular Weight:

~ 42 kDa

### Swiss-Prot:

N/A

### Purification&Purity:

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

### Applications:

WB: 1:5000~1:20000

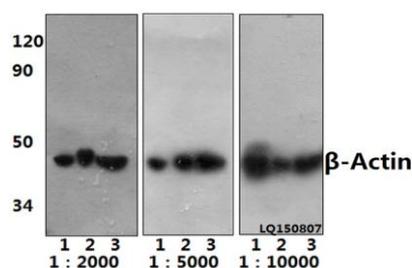
### Storage&Stability:

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

### Specificity:

$\beta$ -Actin (4D3) detects endogenous levels of  $\beta$ -actin protein.

### DATA:



Western blot (WB) analysis of  $\beta$ -Actin (4D3) mAb-HRP at 1:2000/1:5000/1:10000 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(40ug)

Lane3:NIH-3T3 whole cell lysate(40ug)

### Note:

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

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