

β-Actin Mouse mAb

Cat #:ab008

I. Product information

Size: 40ul;100ul

Applications: WB, IHC. Not yet tested in other applications.

Host: Mouse

Cross-Reactivity: Human;Rat;Mouse;Fruit fly

Isotype: Mouse IgG1

Purity: Affinity purification

II. Target/Specificity

Full-length β-Actin protein of human

III. Format

1mg/ml in PBS, pH 7.4, containing 0.1% proclin and 50% glyceroll

IV. Storage

Store at-20°C

V. Description

β-Actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, antibodies against β-Actin are useful as loading controls for Western Blotting. However it should be noted that levels of β-Actin may not be stable in certain cells. For example, expression of β-Actin in adipose tissue is very low and therefore β-Actin should not be used as loading control for these tissues.

VI.Recommended Dilutions

WB: 1:1000~1:10000

IHC: 1:200

Optimal dilutions should be determined by the end user.

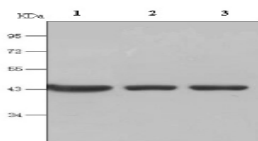


Fig: Western blot analysis of HeLa cell lysate (lane1), rat brain tissue lysate(lane2) and mouse brain tissue lysate(lane3) with β-Actin mouse mAb(6G3) diluted at 1:5000.

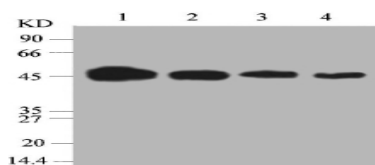


Fig: Western blot analysis of HeLa cell lysate with β-Actin mouse mAb(6G3) diluted at 1:5000 (lane1), 1:10000(lane2), 1:20000(lane3) and 1:40000(lane4).diluted at 1:5000.

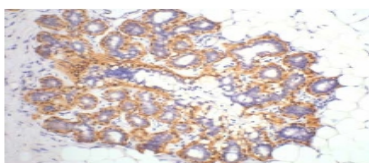


Fig: Immunohistochemistry Staining of Human ovary tissue with β-Actin mouse mAb(6G3) diluted at 1:200.

Product For Research Use Only rev: 09/15

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