

β -Actin Mouse Monoclonal Antibody(5B7)

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.

Product Name: β -Actin mouse monoclonal antibody

Clone Number: 5B7

Isotype: IgG1

Immunogen: Full-length β -Actin protein of human.

Tested applications: WB, IHC, IF

Recommended dilutions: WB: 1:5000 IHC: 1:200 IF: 1:200

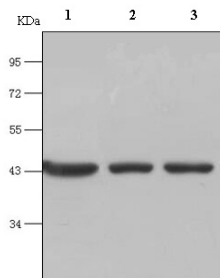
Optimal dilutions/concentrations should be determined by the end user.

Form: Liquid

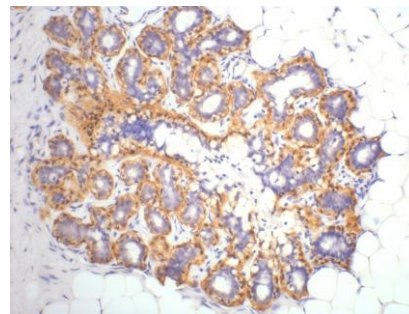
Concentration: 1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol

Storage: β -Actin antibody is stable for 1 month at 2-8 °C. For long term storage, Aliquot and store at -20 °C or below. Avoid repeated freezing and thawing cycles.

Reactivity: Human, Monkey, Mouse, Rat, hamster, Dog, Spodoptera frugiperda, chicken



Western blot analysis of HeLa cell lysate(lane1) , Rat brain tissue lysate(lane2) and Mouse brain tissue lysate(lane3) with β -Actin mouse mAb(5B7) diluted at 1:5000.



Immunohistochemistry Staining of Human ovary tissue with β -Actin mouse mAb(5B7) diluted at 1:200. .