



β -actin Mouse Monoclonal Antibody (A02)

E12-045

Catalog Number: E12-045**Amount:** 100 μ g/100 μ l**Clone Number:** A02

Background: 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.

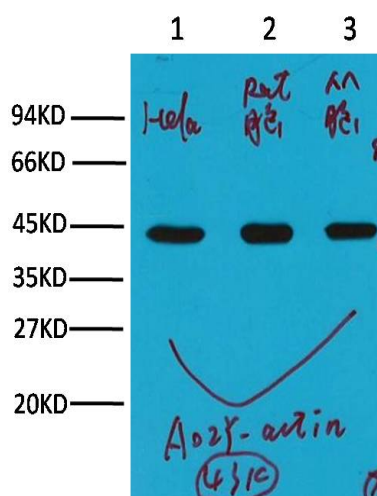
Form of Antibody: Mouse IgG1 in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at $-20^{\circ}C$ /1 year

Specificity/Sensitivity: Antibody can detect endogenous β -actin protein.

Reactivity: H, R, M, Mk, Dg, Ch, Hm, Rb, Pg, Sh

Applications: WB: 1:5,000-10,000 IHC: 1:200 IF: 1:200



Western blot analysis of HeLa (1), Rat brain (2), Mouse brain(3), with β -actin mouse mAb(A02) diluted at 1:10,000.

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