

Anti- β -actin Monoclonal Antibody(HRP conjugated)



<u>Catalog No.</u>	<u>Size</u>
E021180-01	100 μ l
E021180-02	500 μ l
E021180-03	50 μ l

Specificity	Anti- β -actin (H, R, M, Mk, Dg, Ch, Hm, Rb, Pg, Sh)
Source	Mouse Monoclonal
Application	WB IHC
Form	Liquid, 1 mg/ml

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.

Specificity and Sensitivity

The β -actin antibody can detect endogenous β -actin protein.

Source and Purification

This monoclonal antibody is produced by immunizing mice with a synthetic peptide corresponding to an epitope of β -actin coupled to KLH. Antibodies are purified by protein A affinity chromatography.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:1,000~5,000 IHC:1:200

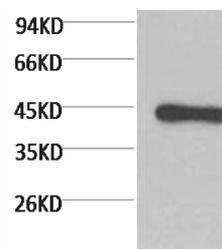
Storage Buffer

PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



Western blot analysis of Hela with β -actin diluted at 1:3,000.