



## Anti- $\beta$ -actin Mouse Monoclonal Antibody(4A6)

Catalog No.	EM31011-01	EM31011-02
Size	50 $\mu$ l	100 $\mu$ l

$\beta$ -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  $\beta$ -actin are useful as loading controls for Western Blotting. However it should be noted that levels of  $\beta$ -actin may not be stable in certain cells. For example, expression of  $\beta$ -actin in adipose tissue is very low and therefore  $\beta$ -actin should not be used as loading control for these tissues.

**Molecular Weight:** 43KD

**Application :** WB 1:5000 IHC 1:200 IF 1:200 Optimal dilutions should be determined by the end user.

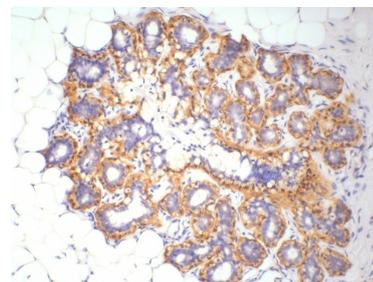
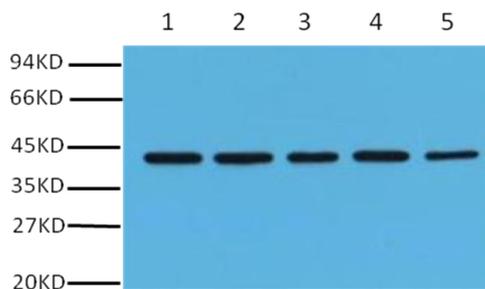
**species reactivity:** Human Rat Mouse Monkey Dog Chicken Hamster Rabbit Pig Sheep

**Specificity:** The  $\beta$ -actin antibody can detect endogenous  $\beta$ -actin protein..

**Form:** Liquid ,1mg/ml

**Storage buffer:** PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol

**Storage:** Store at -20°C. Do not aliquot the antibody.



Western blot analysis of HeLa (1) Rat brain (2) Mouse brain (3) Chicken lung (4) and Rabbit testis (5) with  $\beta$ -Actin mouse mAb diluted at 1:10,000. IHC Staining of Human ovary tissue with  $\beta$ -Actin mouse mAb diluted at 1:200.