

# **$\beta$ -actin Mouse Monoclonal Antibody(5B7)**

**Catalog No.: RCA20**

## **Basic Information**

### **Information**

<b>Reactivity</b>	H,M,R,Mk,Dg,Ch,Hm,Rb,Pg,Sh,Insect
<b>Immunogen</b>	Synthetic Peptide
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Storage Buffer &amp; Condition</b>	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
<b>Observed MW</b>	43KD

### **Applications**

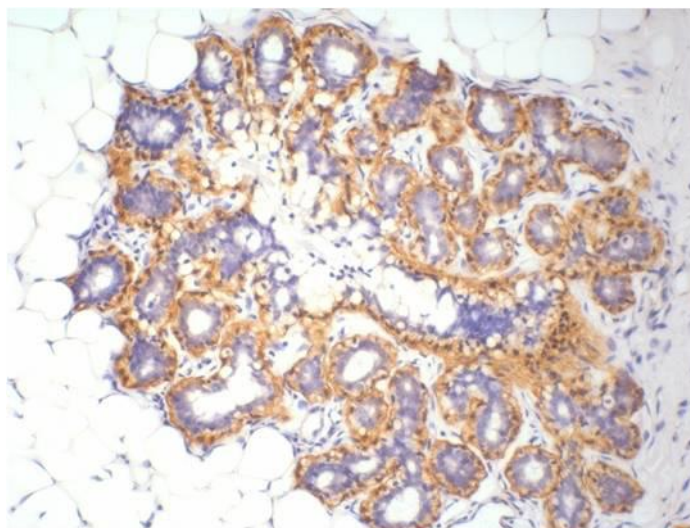
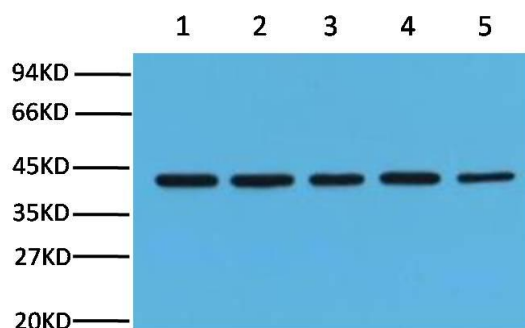
### **Recommended Dilution**

<b>WB</b>	1:5,000
<b>IHC</b>	1:200
<b>IF</b>	1:200

## **Preparation & Storage**

<b>Storage</b>	Store at -20°C. Stable for one year from the date of shipment.
<b>Shipping</b>	Bule Ice

## Experimental Data



Western blot analysis of HeLa (1) Rat brain (2) Mouse brain (3) Chicken lung (4) and Rabbit testis (5) with  $\beta$ -Actin mouse mAb(5B7) diluted at 1:10,000.

IHC Staining of Human ovary tissue with  $\beta$ -Actin mouse mAb(5B7) diluted at 1:200

## Background

$\beta$ -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.