



弗德生物  
Fdbio science

## PRODUCT INFORMATION

# Fudebio-tech

## FD<sup>TM</sup>β-Actin Antibody

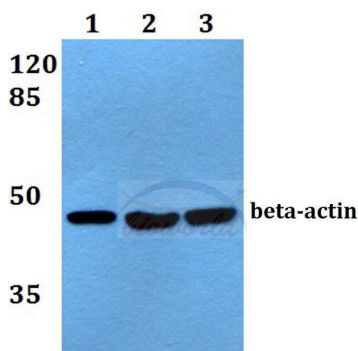
50ug of FD<sup>TM</sup>β-Actin antibody  
100ug of FD<sup>TM</sup>β-Actin antibody  
#FD0060  
Lot: \_

Store at -20°C temperature.

## Description

All eukaryotic cells express actin, which often constitutes as much as 50% of total cellular protein. Actin filaments can form both stable and labile structures and are crucial components of microvilli and the contractile apparatus of muscle cells. While lower eukaryotes, such as yeast, have only one actin gene, higher eukaryotes have several isoforms encoded by a family of genes. At least six types of actin are present in mammalian tissues and fall into three classes.  $\alpha$ -actin expression is limited to various types of muscle, whereas  $\beta$ - and  $\gamma$ -actin are the principle constituents of filaments in other tissues. Members of the small GTPase family regulate the organization of the actin cytoskeleton. Rho controls the assembly of actin stress fibers and focal adhesion, Rac regulates actin filament accumulation at the plasma membrane and Cdc42 stimulates formation of filopodia

## Product:



Western blot (WB) analysis of  $\beta$ -Actin (I102) mAb at 1:10000 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

**Molecular Weight: ~43 Kda**

## Information:

Host: Mouse

Reactivity:Human, Mouse, Rat

## Applications:

WB:1:5000-10000

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