



β -Actin Antibody

E81102-1

Catalog Number: E81102-1

Quantity : 100ul

Project ID:

Description: Actins are highly conserved proteins involved in cell motility, structure and integrity. Actin has been found to be expressed in at least six isomeric forms. It is expressed in heart and skeletal striated muscle tissue, and in certain smooth muscle tissues, regulating contractile potentials for these cells. It is also expressed in the cytoplasm of non-muscle cells, functioning to control cell structure and motility. Beta actin is usually used as a loading control, for among others, the integrity of cells, protein degradation, in Western Blotting.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage Buffer: 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.

Product Type: Rabbit Polyclonal IgG, primary Ab

Form: Liquid

Purity: Immunogen affinity purified

Specificity/Source: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of β -actin.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:1,000~1:2,000

Molecular Weight: ~42kDa

Swiss-Prot No. : P60709 (human) P60710 (mouse)

Cellular Localization: Cytoskeleton

Positive control: Hela, NIH/3T3, PC12

- References:**
1. Ponte P., Ng S.Y., Engel J., Gunning P., Kedes L."Evolutionary conservation in the untranslated regions of actin mRNAs: DNA sequence of a human beta-actin cDNA." Nucleic Acids Res. 12:1687-1696(1984)
 2. Ohmori H., Toyama S., Toyama S."Direct proof that the primary site of action of cytochalasin on cell motility processes is actin."J. Cell Biol. 116:933-941(1992)

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