

β -Actin (D8) polyclonal antibody

Catalog: AP0731

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

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. -actin expression is limited to various types of muscle, whereas - and -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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 42 kDa

Swiss-Prot:

N/A

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:5000~1:10000

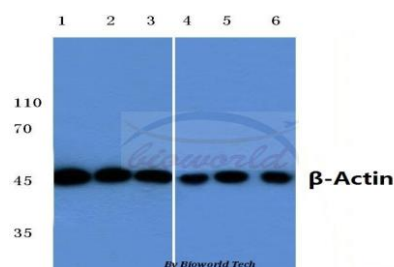
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

β -Actin (D8) polyclonal antibody detects endogenous levels of β-actin protein.

DATA:



Western blot (WB) analysis of beta-actin (D8) polyclonal antibody at 1:5000 dilution

Lane1:Hela cell lysate

Lane2:sp2/0 cell lysate

Lane3:PC12 cell lysate

Western blot (WB) analysis of beta-actin (D8) polyclonal antibody at 1:10000 dilution

Lane4:Hela cell lysate

Lane5:sp2/0 cell lysate

Lane6:PC12 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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