

## Anti-ACTB(Actin, cytoplasmic 1) (Beta-actin) Polyclonal Antibody

Cat. #: 60B537

### Description:

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to 4 others. In vertebrates 3 main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell motility.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human ACTB (Actin, cytoplasmic 1) (Beta-actin)

### References

Nakajima-Iijima, S., et al, Proc. Natl. Acad. Sci. U.S.A. 82 (18), 6133-6137 (1985)  
Ohmori, H., et al, J. Cell Biol. 116 (4), 933-941 (1992)  
Hanukoglu, I., et al, J. Mol. Biol. 163 (4), 673-678 (1983)

**Species:** human, mouse, rat, rabbit, chicken

**Storage and Stability:** at -20°C

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1 µg/ml for 2hrs)