

Anti- β -Actin Monoclonal Antibody

PRODUCT NAME: Anti- β -actin Monoclonal Antibody

CATALOG NUMBER: U33-386A

LOT NUMBER: U33022

ISOTYPE: Mouse IgG1

Clone NO: 1B20

SOURCE: Mouse Ascites

QUANTITY: 100ul/400ul

DESCRIPTION: Monoclonal antibody is produced by immunizing mouse with synthetic peptide [D(Ac)DDIAALVIDNGSGLC], coupled to KLH.

REACTIVITY: human, mouse, African green monkey

APPLICATIONS: Western Blot, Immunoprecipitation

BUFFER: 1×PBS with 50% glycerol

PROTEIN CONCENTRATION: 0.5 mg/ml

APPLICATION NOTES: Western Blot: 0.5 μ g/ml

STORAGE/STABILITY: Antibody is recommended being stored at -20°C. Avoid repeated freeze-thaw cycle.

Background:

Actin is one of the most conserved eukaryotic proteins. It is expressed in mammals and birds with at least six isoforms. There are three α -actins (skeletal, cardiac, and smooth muscle), one β -actin (β -nonmuscle), and two γ -actins (γ -smooth muscle and γ -nonmuscle). Our anti- β -actin monoclonal antibody provides a specific and useful tool in studying the intracellular distribution of β -actin and the static and dynamic aspects of the cytoskeleton.