

Monoclonal Anti- β -actin-Peroxidase (HRP) Conjugated

PRODUCT NAME: Monoclonal Anti- β -actin-Peroxidase (HRP) Conjugated

CATALOG NUMBER: U33-486A-S

LOT NUMBER: U33022

ISOTYPE: Mouse IgG1

Clone NO: 1B20

SOURCE: Mouse Ascites

QUANTITY: 100 μ l

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

REACTIVITY: human, mouse, African green monkey

APPLICATION: Western Blot

BUFFER: 10mM sodium phosphate, 150mM sodium chloride, pH 7.4 with 50% glycerol

PROTEIN CONCENTRATION: approximately 1mg/ml

RECOMMENDED ANTIBODY DILUTION: Western Blot: 1:4000

STORAGE/STABILITY: Antibody-HRP is recommended being stored at -20°C.

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 monoclonal anti- β -actin-peroxidase (HRP) conjugated provides a specific and useful tool in studying the intracellular distribution of β -actin and the static and dynamic aspects of the cytoskeleton.