



Rabbit Anti-ACTB monoclonal antibody, clone KG64-21 (DCABH-201802)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	beta Actin(HRP conjugated)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Monkey, Hamster, Plant, zebrafish
Clone	KG64-21
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB
Molecular Weight	42 kDa
Cellular Localization	Cytoplasm.
Positive Control	PC-12, NIH/3T3, Hela, zebrafish.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

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

BACKGROUND

Introduction

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. α -Actin expression is limited to various types of muscle, whereas β -Actin and γ -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. Cdc42 stimulates formation of filopodia.

Keywords

A26C1A;A26C1B;ACTB;ACTB_HUMAN;Actin beta;Actin cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actx;b actin;Beta cytoskeletal actin;Beta-actin;BRWS1;E430023M04Rik;MGC128179;PS1TP5 binding protein 1;PS1TP5BP1 antibody

GENE INFORMATION

Entrez Gene ID

[9212](#)
