

Anti- β -Tubulin Mouse Monoclonal Antibody

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Catalog Number : MAN1003

Lot Number : Refer to vial

Packaging Size : 100 μ L □ 1000 μ L □

Background

This antibody detects a single clean band at 55kD representing beta-Tubulin. This band is significantly reduced by using peptide blocking. The cytoskeleton consists of three types of cytosolic fibers: microtubules, microfilaments (actin filaments), and intermediate filaments. Globular tubulin subunits comprise the microtubule building block, with α/β -tubulin heterodimers forming the tubulin subunit common to all eukaryotic cells. γ -tubulin is required to nucleate polymerization of tubulin subunits to form microtubule polymers. Many cell movements are mediated by microtubule action, including the beating of cilia and flagella, cytoplasmic transport of membrane vesicles, chromosome alignment during meiosis/mitosis, and nerve-cell axon migration. These movements result from competitive microtubule polymerization and depolymerization or through the actions of microtubule motor proteins.

Overview

Description : Mouse monoclonal antibody to β -Tubulin [6C4]

Reactivity : Mouse, Rat, Human

Tested applications : WB(1:1000-1:10000), IHC (1:50-1:200), IF (1:50-1:200)

Formulation : Liquid, 100 μ g at 1mg/ml

Properties

Immunogen : Recombinant full length protein, corresponding to amino acids 1-452 of Human Tubulin

Clonality : 6C4

Isotype : Mouse IgG1

Application notes

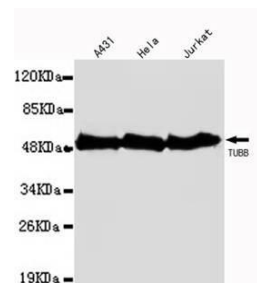


Fig. Western blot analysis of 40ug of cell lysates at:1:3000 dilution using beta Tubulin antibody. Predicted band size: 55KDa, Observed band size: 55KDa

Storage instruction

Store at +4°C short term (1-2 weeks).

Aliquot and store at -20°C or -80°C

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