

Anti-alpha-Tubulin Mouse Monoclonal Antibody

Technical literature is available at: www.mesgenbio.com. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com



Catalog Number : MAN1008

Lot Number : Refer to vial

Packaging Size : 100µL □ 1000µL □

Background

There are five tubulins in human cells: alpha, beta, gamma, delta, and epsilon. Tubulins are conserved across species. They form heterodimers, which multimerize to form a microtubule filament. An alpha and beta tubulin heterodimer is the basic structural unit of microtubules. The heterodimer does not come apart once formed. The alpha and beta tubulins, which are each about 55 kDa MW, are homologous but not identical. Alpha tubulin is useful for scientists across fields as an internal control due to its high, ubiquitous expression pattern. Tubulin expression may vary according to resistance to antimicrobial and antimitotic drugs. This antibody specifically recognizes Tubulin Alpha.

Overview

Reactivity : human, mouse, rat, dog, rice, silkworm

Tested applications : WB, IP, IHC, IF, FC, ELISA

Calculated molecular weight : 50 kDa

Observed molecular weight : 52 kDa

Properties

Immunogen : alpha Tubulin fusion protein Ag18034

Source : Mouse

Isotype : IgG2b

Concentration : 1730µg/ml

Recommended dilution:

WB : 1:2000-1:10000

IP : 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC : 1:50-1:500

IF : 1:50-1:500

Application notes

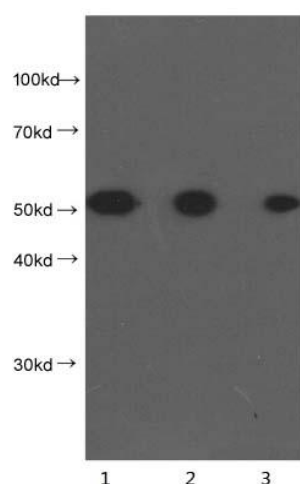


Fig 1. Western blot analysis of 10ug of HeLa cell lysates at dilution of :
Lane 1: 1:4000
Lane 2: 1:8000
Lane 3: 1:16000

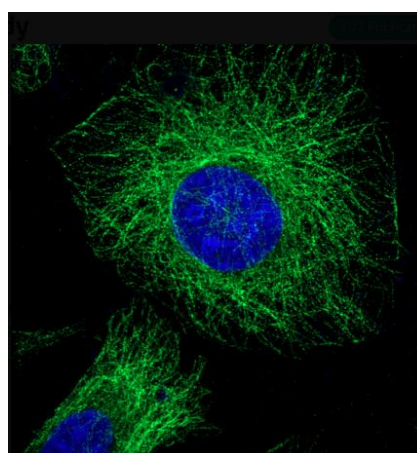


Fig 2. Immunofluorescent analysis of fixed HepG2 cells using alpha-Tubulin antibody at dilution of 1:100 and Alexa Fluor 488 conjugated AffiniPure Goat Anti-Mouse IgG(H+L)

Storage instruction

-20°C

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