

# alpha Tubulin Monoclonal Antibody

Catalog Number: E-AB-20036 18 Publications



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

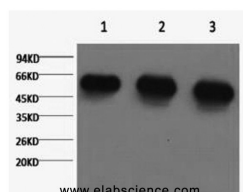
## Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant Protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	Clone: 5M5
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

## Applications Recommended Dilution

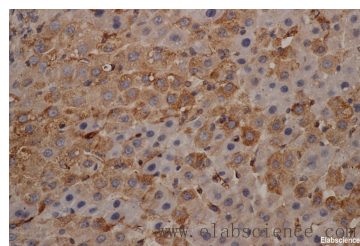
<b>WB</b>	1:500-10000
<b>IHC</b>	1:50-300
<b>IF</b>	1:50-1:200
<b>IP</b>	1:100-1:300

## Data

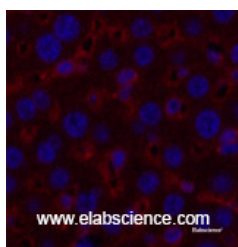


Western Blot analysis of 1) HeLa, 2) Rat brain, 3) Mouse brain using alpha Tubulin Monoclonal Antibody at dilution of 1:5000.

**Observed Mw: 52kDa**  
**Calculated Mw: 50kDa**



Immunohistochemistry of paraffin-embedded mouse liver using alpha Tubulin Monoclonal Antibody at dilution of 1:200



Immunofluorescence analysis of Mouse liver tissue using alpha Tubulin Monoclonal Antibody at dilution of 1:200.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## For Research Use Only

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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## 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, beta, and gamma tubulins have all been used as loading controls. Tubulin expression may vary according to resistance to antimicrobial and antimitotic drugs.

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Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)