# alpha Tubulin Monoclonal Antibody

**catalog number:** **E-AB-20036**

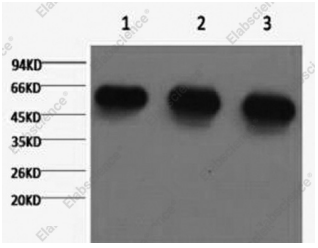
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant Protein |
| **Host** | Mouse |
| **Isotype** | Mouse IgG |
| **Clone** | 5M5 |
| **Purification** | Protein A purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-10000 |
| **IHC** | 1:50-300 |
| **IF** | 1:50-1:200 |
| **IP** | 1:100-1:300 |

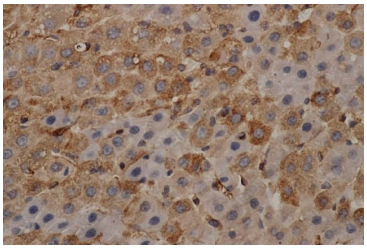
## Data



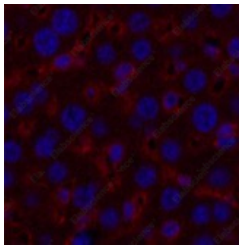

Western Blot analysis of 1) Hela, 2) Rat brian, 3) Mouse brain using alpha Tubulin Monoclonal Antibody at dilution of 1:5000.

**Observed-MW:52 kDa**

**Calculated-MW:50 kDa**



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 Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background


Toll-free: 1-888-852-8623
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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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