

# beta Tubulin Monoclonal Antibody

Catalog Number: E-AB-20033

17 Publications



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

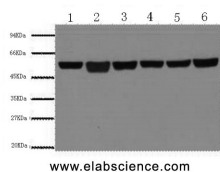
## Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human, Mouse, Rat, Monkey, Chicken, Dog, Hamster, Rabbit, Sheep, Insect, Yeast |
| <b>Immunogen</b>    | Synthetic Peptide  |
| <b>Host</b>         | Mouse  |
| <b>Isotype</b>      | IgG  |
| <b>Clone</b>        | Clone: 8B2   |
| <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>  | 1:5000-1:10000 |
| <b>IHC</b> | 1:100-1:300    |
| <b>IF</b>  | 1:100-1:300    |

## Data

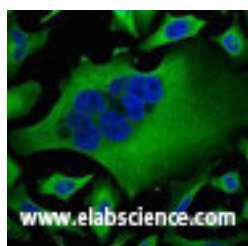


Western Blot analysis of A549, Rat brain, Mouse brain, Chicken lung, Rabbit testis, Sheep muscle using beta Tubulin Monoclonal Antibody at dilution of 1:5000.

**Observed Mw: 55kDa**  
**Calculated Mw: 50kDa**



Immunohistochemistry of paraffin-embedded Mouse testis tissue using beta Tubulin Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of HeLa tissue using beta Tubulin Monoclonal Antibody at dilution of 1:100.

## Preparation & Storage

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

## For Research Use Only

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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 antimetabolic drugs.

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