

## Beta-tubulin monoclonal antibody

Catalog: MB65892

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. TUBB3 plays a critical role in proper axon guidance and maintenance. Binding of NTN1/Netrin-1 to its receptor UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:28483977).

Plays a role in dorsal root ganglion axon projection towards the spinal cord (PubMed:28483977).

### Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 0.2% BSA, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 55 kDa

### Swiss-Prot:

Q13509

### Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB (1/3000 - 1/10000), IHC (1/50 - 1/100), IP (1/50 - 1/100)

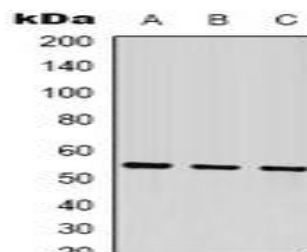
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of Beta-tubulin protein.

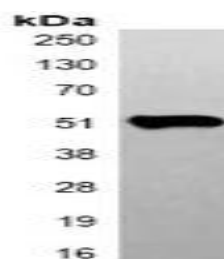
### DATA:



Western blot analysis of Beta-tubulin expression in HeLa (A), mouse kidney (B), rat heart (C) whole cell lysates.



Immunohistochemical analysis of Beta-tubulin staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunoprecipitation of Beta-tubulin from 0.5mg mouse brain whole cell extract lysate, using Anti-Beta-tubulin Antibody.

### Note:

For research use only, not for use in diagnostic procedure.

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