

# β-Tubulin Mouse mAb

Catalog No.: AC021

86 Publications

## Basic Information

**Observed MW**

50kDa

**Calculated MW**

50kDa

**Category**

Loading control antibody

**Applications**

WB, IHC-P, IF/ICC, IP, ELISA

**Cross-Reactivity**Human, Mouse, Rat, Hamster, Monkey,  
Goat, Chlamydomonas Reinhardtii**CloneNo number**

AMC0498

## Background

This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.

## Recommended Dilutions

**WB** 1:5000 - 1:10000**IHC-P** 1:50 - 1:200**IF/ICC** 1:50 - 1:200**IP** 0.5ug-4ug antibody for  
200ug-400ug extracts of  
whole cells**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

**Gene ID**

203068

**Swiss Prot**

P07437

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

M40; TUBB1; TUBB5; CDCBM6; CSCSC1; OK/SW-cl.56; β-Tubulin

## Product Information

**Source**

Mouse

**Isotype**

IgG1

**Purification**

Affinity purification

**Storage**

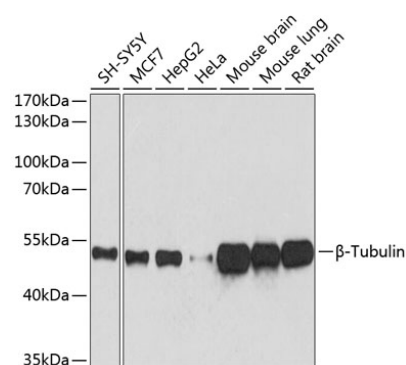
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 1% BSA, 50% glycerol, pH7.3.

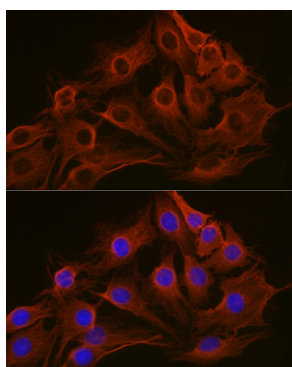
## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

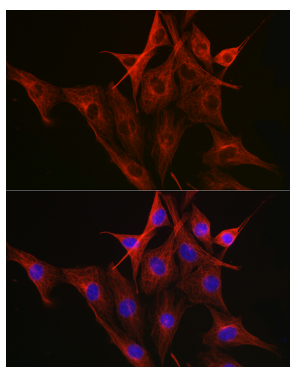
## Validation Data



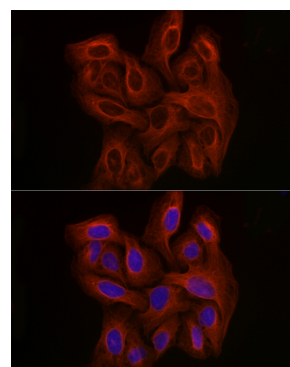
Western blot analysis of various lysates using  $\beta$ -Tubulin Mouse mAb (AC021) at 1:5000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



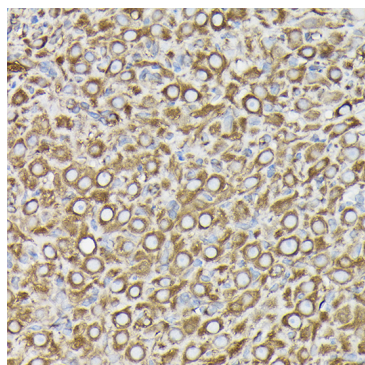
Immunofluorescence analysis of C6 cells using  $\beta$ -Tubulin Mouse mAb (AC021) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



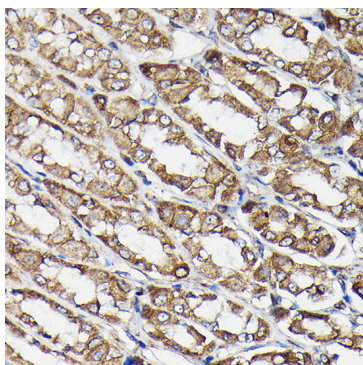
Immunofluorescence analysis of NIH-3T3 cells using  $\beta$ -Tubulin Mouse mAb (AC021) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using  $\beta$ -Tubulin Mouse mAb (AC021) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat ovary using  $\beta$ -Tubulin Mouse mAb (AC021) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat stomach using  $\beta$ -Tubulin Mouse mAb (AC021) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.