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.

Contact

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•		www.abclonal.com.cn

Immunogen Information

Gene ID203068

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

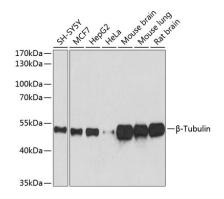
Product Information

SourceIsotypePurificationMouseIgG1Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 1% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

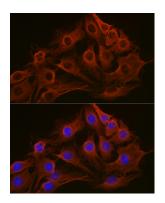


Western blot analysis of various lysates using β -Tubulin Mouse mAb (AC021) at 1:5000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25µg per lane.

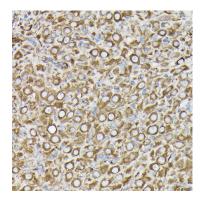
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

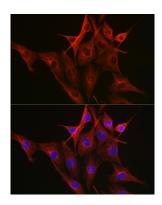
Exposure time: 10s.



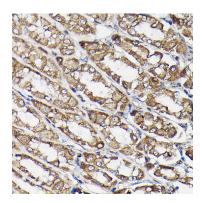
Immunofluorescence analysis of C6 cells using β -Tubulin Mouse mAb (AC021) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



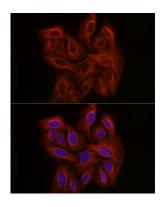
Immunohistochemistry analysis of paraffinembedded Rat ovary using $\beta\text{-}Tubulin$ Mouse mAb (AC021) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



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



Immunohistochemistry analysis of paraffinembedded Rat stomach using $\beta\textsc{-Tubulin}$ 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.



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