



## Beta tubulin Mouse mAb, Loading Control

Catalog Number: bsm-33034M
Target Protein: Beta tubulin
Concentration: 1mg/ml

Form: Size: 50ul/100ul/500ul

Liquid

Size: 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled

water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 7G3 Isotype: IgG1

Applications: WB (1:5000-20000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Monkey,

Insect/Yeast)

Predicted MW: 50 kDa Entrez Gene: 203068 Swiss Prot: P07437

Purification: affinity purified by Protein G

Storage: Size:50ul/100ul/500ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size: 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

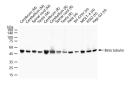
Background: This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and

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. [provided by RefSeq, Jun 2014]

## **VALIDATION IMAGES**



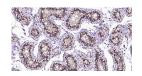
25 ug total protein per lane of various lysates (see on figure) probed with Beta tubulin monoclonal antibody, unconjugated (bsm-33034M) at 1:10000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beta tubulin Monoclonal Antibody, Unconjugated(bsm-33034M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beta tubulin Monoclonal Antibody, Unconjugated(bsm-33034M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beta tubulin Monoclonal Antibody, Unconjugated(bsm-33034M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beta tubulin Monoclonal Antibody, Unconjugated(bsm-33034M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Beta tubulin(Loading Control)) Monoclonal Antibody, Unconjugated (ascites of bsm-33034M 7G3) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=56.9] Jaron A. M. Mercer. et al. Continuous evolution of compact protein degradation tags regulated by selective molecular glues. SCIENCE. 2024 Mar;383(6688) WB; Human . 38484051

[IF=11.556] Yan Wang. et al. Sult2b1 deficiency exacerbates ischemic stroke by promoting pro-inflammatory macrophage polarization in mice. Theranostics. 2021; 11(20): 10074–10090 WB; Mouse . 34815805

[IF=10] Xiang-Yu Wang. et al. Enhanced Tumor Immunotherapy by Triple Amplification Effects of Nanomedicine on the STING Signaling Pathway in Dendritic Cells. ADV HEALTHC MATER. 2024 Oct;:2403143 WB; MOUSE . 39440648

[IF=9.685] Jia, Xiuqin. et al. Inhibition of autophagy potentiates the cytotoxicity of the irreversible FGFR1-4 inhibitor FIIN-2 on lung

adenocarcinoma. CELL DEATH DIS. 2022 Aug;13(8):1-12 WB; Human. 36042213 [IF=9] Wang Shaowen. et al. LINC01133 can induce acquired ferroptosis resistance by enhancing the FSP1 mRNA stability through forming the LINC01133-FUS-FSP1 complex. CELL DEATH DIS. 2023 Nov;14(11):1-14  $\overline{WB}$  ; Human . 38007473