

[Primary Antibody]

beta-Tubulin Mouse mAb, Loading Control



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ANTIBODIES

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— DATASHEET

Host: Mouse

Clonality: Monoclonal

GeneID: 203068

Target: beta-Tubulin

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: Size : 50ul/100ul
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]

Isotype: IgG2a

CloneNo.: 5F7

SWISS: P07437

Applications: WB (1:1000-5000)

IHC-P (1:100-500)

IHC-F (1:100-500)

IF (1:100-500)

ICC/IF (1:100-200)

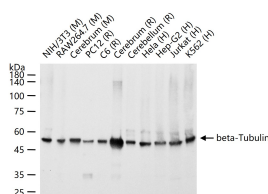
Reactivity: Human, Mouse, Rat

Predicted
MW.: 50 kDa

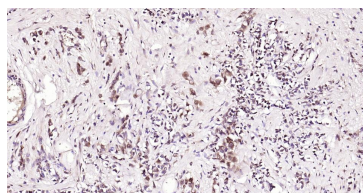
Observed
MW.: 50 kDa

Subcellular Location: Cytoplasm

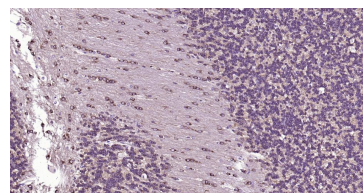
— VALIDATION IMAGES



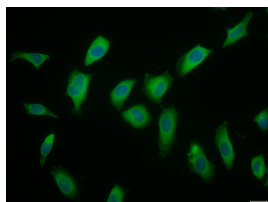
25 ug total protein per lane of various lysates (see on figure) probed with beta-Tubulin monoclonal antibody, unconjugated (bsm-33041M) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta I Tubulin Monoclonal Antibody, Unconjugated(bsm-33041M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with beta I Tubulin Monoclonal Antibody, Unconjugated(bsm-33041M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (beta I Tubulin) Monoclonal Antibody, Unconjugated (bsm-33041M) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0296G-FITC) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

— SELECTED CITATIONS —

- **[IF=4.1]** Rui Zhang. et al. CIRBP Increases the Synthesis and Secretion of Steroid Hormones by Activating Autophagy in Yak Granule Cells. J STEROID BIOCHEM. 2023 Dec;;106449 WB ;Bovine. 38143009
- **[IF=3.231]** Ruihua Xu. et al. Exosomes Derived from Yak Follicular Fluid Increase 2-Hydroxyestradiol Secretion by Activating Autophagy in Cumulus Cells. ANIMALS. 2022 Jan;12(22):3174 IF ;Bovine. 36428401