bsm-33041M **[Primary Antibody]**

beta I Tubulin Mouse mAb, Loading Control

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DATASHEET

Host: Mouse
Isotype: IgG2a
Clonality: Monoclonal
CloneNo.: 5F7
GeneID: 81027
SWISS: Q9H4B7
Target: beta I 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 member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is specifically expressed in platelets and megakaryocytes and may be involved in proplatelet production and platelet release. A mutations in this gene is associated with autosomal dominant macrothrombocytopenia. Two pseudogenes of this gene are found on chromosome Y.[provided by RefSeq, Jul 2010]

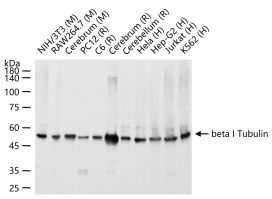
Applications: **WB** (1:500-5000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-200)

Reactivity: Human, Mouse, Rat

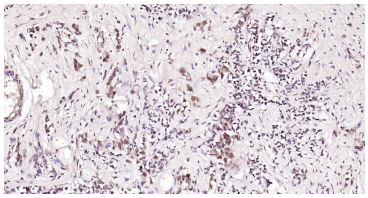
Predicted MW.: 50 kDa

Subcellular Location: Cytoplasm

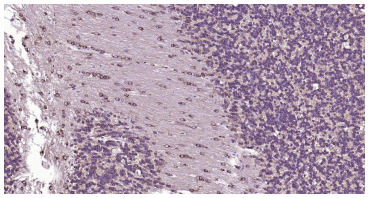
VALIDATION IMAGES



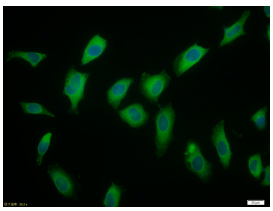
25 ug total protein per lane of various lysates (see on figure) probed with beta I Tubulin monoclonal antibody, unconjugated (bsm-33041M) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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.

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