

[Primary Antibody]



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ANTIBODIES

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beta I Tubulin Recombinant Rabbit mAb, Loading Control

DATASHEET

Host: Rabbit

Clonality: Recombinant

GeneID: 81027

Target: beta I Tubulin

Isotype: IgG

CloneNo.: 10D13

SWISS: 09H4B7

Immunogen: A synthesized peptide derived from human beta I Tubulin: 420-451.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Background: Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.

Applications: WB (1:500-5000)

IHC-P (1:100-500)

IHC-F (1:100-500)

IF (1:100-500)

Flow-Cyt (1:50-200)

ICC/IF (1:100-500)

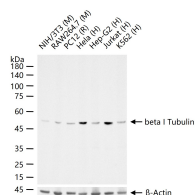
Reactivity: Human, Mouse, Rat
(predicted: Monkey)

Predicted
MW.: 50 kDa

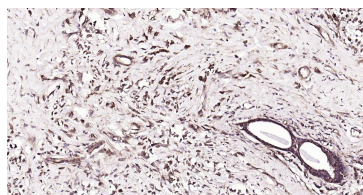
Observed
MW.: 50 kDa

Subcellular Location: Cytoplasm

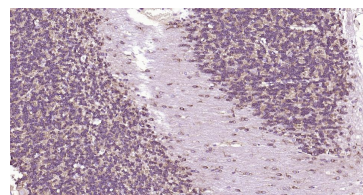
VALIDATION IMAGES



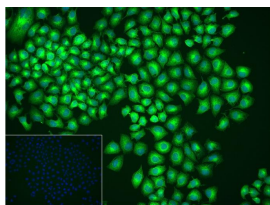
25 ug total protein per lane of various lysates (see on figure) probed with beta I Tubulin monoclonal antibody, unconjugated (bsm-61710R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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-61710R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-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-61710R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (beta I Tubulin) monoclonal Antibody, unconjugated (bsm-61710R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

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