

Beta tubulin Rabbit pAb, Loading Control

Catalog Number: bs-4511R

Target Protein: Beta tubulin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:10000-100000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat

Predicted MW: 50 kDa

Entrez Gene: 203068

Swiss Prot: P07437

Source: KLH conjugated synthetic peptide derived from human tubulin Beta: 61-160/444.

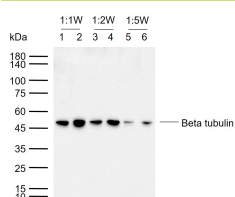
Purification: affinity purified by Protein A

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

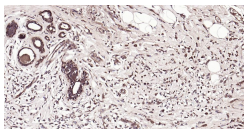
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

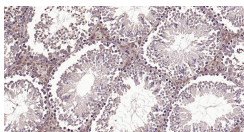
VALIDATION IMAGES



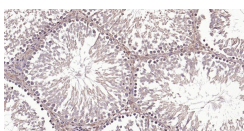
Sample: Lane 1,3,5: Mouse Cerebellum tissue lysates Lane 2,4,6: Rat Cerebellum tissue lysates Primary: Anti-Beta tubulin (bs-4511R) at 1/10000~1/50000 dilution Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kDa Observed band size: 48 kDa



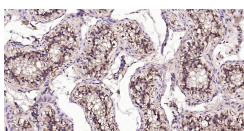
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beta tubulin Polyclonal Antibody, Unconjugated (bs-4511R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



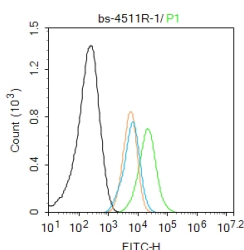
Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Beta tubulin Polyclonal Antibody, Unconjugated (bs-4511R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and 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 Polyclonal Antibody, Unconjugated (bs-4511R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) 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 Polyclonal Antibody, Unconjugated (bs-4511R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Blank control:HL-60. Primary Antibody (green line): Rabbit Anti-Beta tubulin antibody (bs-4511R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1%PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=38.104] Chen, Lei. et al. SARS-CoV-2 nucleocapsid protein triggers hyperinflammation via protein-protein interaction-mediated intracellular Cl⁻ accumulation in respiratory epithelium. SIGNAL TRANSDUCT TAR. 2022 Jul;7(1):1-13 IF ; Human . 35896532

[IF=19.227] Xin Zhou. et al. ACSL4 promotes microglia-mediated neuroinflammation by regulating lipid metabolism and VGLL4 expression. BRAIN BEHAV IMMUN. 2023 Mar;109:331 WB ; Mouse . 36791893

[IF=17.694] Wang Kaiyuan. et al. Gas therapy potentiates aggregation-induced emission luminogen-based photoimmunotherapy of poorly immunogenic tumors through cGAS-STING pathway activation. NAT COMMUN. 2023 May;14(1):1-19 WB ; Mouse . 37221157

[IF=16.988] Wu Yutong. et al. Osteoclast-Derived Apoptotic Bodies Inhibit Naïve Cd8⁺ T Cell Activation via Siglec15 Promoting Breast Cancer Secondary Metastasis. Cell Reports Medicine. 2022 Nov 03 WB ; Mouse . 37607544

[IF=16.744] Rui Liu. et al. Engineered stem cell biomimetic liposomes carrying levamisole for macrophage immunity reconstruction in leukemia therapy. CHEM ENG J. 2022 Nov;447:137582 WB ; Rat . 10.1016/j.cej.2022.137582