
Tubb3 Rabbit pAb

Catalog Number: bs-2670R

Target Protein: Tubb3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 50 kDa

Subcellular: Cytoplasm

Locations:

Entrez Gene: 10381

Swiss Prot: Q13509

Source: KLH conjugated synthetic peptide derived from human Tubb3: 301-400/450.

Purification: affinity purified by Protein A

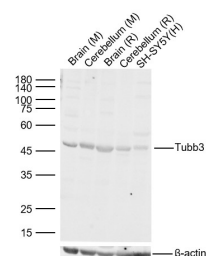
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

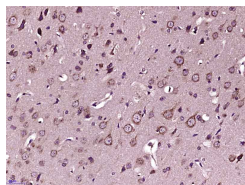
Background: Neuronal Marker

Beta III tubulin is abundant in the central and peripheral nervous systems (CNS and PNS) where it is prominently expressed during fetal and postnatal development. As exemplified in cerebellar and sympathoadrenal neurogenesis, the distribution of beta III is neuron-associated, exhibiting distinct temporospatial gradients according to the regional neuroepithelia of origin. However, transient expression of this protein is also present in the subventricular zones of the CNS comprising putative neuronal- and/or glial precursor cells, as well as in Kulchitsky neuroendocrine cells of the fetal respiratory epithelium. This temporally restricted, potentially non-neuronal expression may have implications in the identification of presumptive neurons derived from embryonic stem cells.

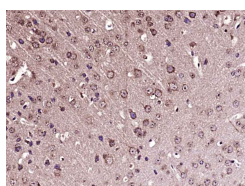
VALIDATION IMAGES



Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Cerebellum Lysates Lane 3: Rat Brain Lysates Lane 4: Rat Cerebellum Lysates Lane 5: Human SH-SY5Y cell Lysates Primary: Anti-Tubb3 (bs-2670R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50kDa Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (Tubb3) Polyclonal Antibody, Unconjugated (bs-2670R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Tubb3) Polyclonal Antibody, Unconjugated (bs-2670R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.3] Fangyu Qiao. et al. Dual siRNA-Loaded Cell Membrane Functionalized Matrix Facilitates Bone Regeneration with Angiogenesis and Neurogenesis. SMALL. 2023 Oct;;2307062 WB,IF,IHC ; Rat . 37824284

[IF=2.51] Li, Wen-Jing, et al. "Systematic expression analysis of genes related to multidrug-resistance in isogenic docetaxel-and adriamycin-resistant breast cancer cell lines." Molecular biology reports (2013): 1-8. WB ; ="Human" . 24078162

[IF=2.41] Qu, Xinjian, et al. "Differentiation of reprogrammed human adipose mesenchymal stem cells toward neural cells with defined transcription factors." Biochemical and Biophysical Research Communications (2013). Other ; ="Human" . 24036267