Anti-Tubulin β
Rabbit Polyclonal Antibody

Catalog # T92-63R
Lot # J632-2

Cited Applications
- Western blot (1:1000 dilution)
  Ideal working dilutions for each application should be empirically determined by the investigator.

Specificity
Recognizes the Tubulin β protein

Cross Reactivity
- Western blot Tubulin β from human and mouse cells
  Tubulin β from other species may also be detectable

Host
Rabbit

Immunogen
Synthetic peptide derived from β-tubulin of many animal species

Formulation
TBS, 50% glycerol

Stability
Store at 4°C (add 0.1% NaN₃) for several months, and at -20°C for longer periods. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles.

Scientific Background
TUBB1 or tubulin-beta 1 protein is a major constituent of microtubules. TUBB1 interaction with microtubule-associated proteins (MAPs) such as tau is fundamental for microtubule structure and function (1). Previous work suggested that the “microtubule binding domain” of tau (composed of three or four imperfect 18-amino acid repeats, separated by 13- or 14-amino acid inter-repeat regions) can bind to the C-terminal ends of both alpha and beta tubulin monomers. Studies revealed that TUBB1 is the target of various antitubulin agents used in the treatment of cancer. Subsequent studies have also concluded that TUBB1 mutations in clinical samples are rare, and unlikely to contribute to drug resistance (2).

References

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Affinity chromatography
0.5 µg/µL

1yr at -20°C from date of shipment

Store product at -20°C. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on ice packs.

To place your order, please contact us by phone 1-604-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
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