
Tubulin beta-3 Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253232

Unit: 0.1 ml

Description:

Tubulin is the major constituent of microtubules, existing as a heterodimer of the alpha and beta subunits. The beta III isoform of tubulin is found almost exclusively in neuronal processes of adult tissues and is therefore an excellent marker for neurons. Neuron specific, posttranslational modifications within the C-terminal domain of beta III tubulin have been shown to be developmentally regulated, suggesting that they modulate the interaction of tubulin with microtubule associated proteins. Additionally, beta III tubulin has been found to be highly expressed in cancer cells such as small cell lung cancer, large cell neuroendocrine carcinoma and adenocarcinomas and is correlated with an increasing histological degree of malignancy.

Isotype: Mouse IgG1

Applications: E, WB, IHC

Species Reactivity: H, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of HEPES (pH7.5), 0.01% BSA, with 50% glycerol. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Tubulin beta-3 chain; Neuron-specific class III beta-tubulin; Tubb3

Accession No.: Q4QRB4

Antigen: KLH-conjugated peptide encompassing a sequence within rat tubulin, beta III.

Application Notes: E: 1:500-1:1,000; WB: 1:10,000; IHC: 1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.