
TUBB3 (2E9) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252910

Unit: 0.1 ml

Description:

TUBB3 (Tubulin beta 3) is a highly conserved protein with a molecular weight of ~50 kD. Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non exchangeable site on the alpha-chain. Microtubules play key roles in chromosome segregation in mitosis, intracellular transport, ciliary and flagellar bending, and structural support of the cytoskeleton. The two main tubulin isoforms, α - and β -tubulin are usually products of separate genes. The β -tubulin family includes six expressed genes that produce the polypeptide isoforms known as Classes I through VI, each of which have a distinct pattern of expression. Class III β -tubulin is found in neurons and mammalian testis cells and is widely used as a neuronal marker in developmental neurobiology, neoplasia and stem cell research. Class III β -tubulin expression in neuronal and neuroblastic tumors is differentiation dependent, and its expression in certain non-neuronal neoplasms has been associated with poor prognosis and/or resistance to chemotherapy.

Isotype: Mouse IgG1

Applications: WB, IF, FC

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III; TUBB4; TUBB3

Accession No.: Q13509

Antigen: Purified recombinant fragment of human TUBB3 expressed in *E. coli*.

Application Notes: WB: 1:500-1:2000; IF: 1:200-1:1000; FC: 1:200-1:400;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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