Neuronal Class III beta-Tubulin Antibody, Clone TUJ1

Antibodies

Mouse monoclonal IgG2a antibody against mammalian neuronal class III β-tubulin, unconjugated

Catalog #01409

250 µL 1 mg/mL

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Product Description

Tubulin is the major building block of microtubules. Microtubules function as structural elements in mitosis, intracellular transport, flagellar movement and in the cytoskeleton. This antibody clone is well characterized and reacts strongly with neuron specific Class III β-Tubulin. It does not recognize β-Tubulin found in glial cells.

Target Antigen Name:	Neuronal Class III β-Tubulin
Alternative Names:	CDCBM, CDCBM1, CFEOM3, CFEOM3A, Class III beta-tubulin, FEOM3, TUBB3, TUBB4, Tubulin beta-3 chain, Tubulin beta-III, Tubulin beta-4 chain
Gene ID:	10381
Species Reactivity:	Mammalian Cells
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	TUJ1
Isotype:	IgG2a
Immunogen:	Microtubules derived from rat brain
Conjugate:	Unconjugated

Applications

Verified:	ICC
Reported:	FC, ICC, IF, IHC, IP, WB

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Phosphate-buffered saline containing 0.03% thimerosal
Purification:	The antibody was purified by Protein A affinity chromatography.
Stability and Storage:	Product stable at 2 - 8°C for at least 1 year when stored undiluted. Do not freeze. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use:	Centrifuge tube briefly before use to ensure recovery of entire contents. Dilute with medium or phosphate-buffered saline containing appropriate blocking serum. It is recommended that the antibody be titrated for optimal performance for each application. For further instructions on how to use this antibody, refer to the Technical Manual: In Vitro Proliferation and Differentiation of Human Neural Stem and Progenitor Cells Using NeuroCult™ or NeuroCult™-XF (Document #28724) available on our website at www.stemcell.com.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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