



β2B Tubulin (h2): 293T Lysate: sc-158195

BACKGROUND

Tubulin exists as five distinct forms, designated α , β , γ , δ and ϵ , all of which function as critical components of the cytoskeleton, specifically forming heterodimers which multimerize to produce microtubule filaments. There are five β Tubulin isoforms (β -I, β -II, β -III, β -IVa and β -IVb) that are expressed in mammalian tissues. β -I and β -IV are present throughout the cytosol, while β -II is present in the nuclei and nucleoplasm and β -III is a neuron-specific cytoskeletal protein. β 2B Tubulin, also known as TUBB2B, is a 445 amino acid protein that exists as a heterodimer of α and β chains and plays an important role in the formation and maintenance of microtubules. Over expression of β 2B Tubulin is associated with nonsmall cell lung carcinoma, suggesting a role for β 2B Tubulin in carcinogenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TUBB2B (human) mapping to 6p25.2.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

β 2B Tubulin (h2): 293T Lysate represents a lysate of human β 2B Tubulin transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

β 2B Tubulin (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive β 2B Tubulin antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.