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γ 1 Tubulin (m): 293T Lysate: sc-124845

BACKGROUND

Tubulin is a major cytoskeleton component that has five distinct forms, designated α , β , γ , δ and ϵ Tubulin. α and β Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple β Tubulin isoforms (β 1, β 2, β 3, β 4, β 5, β 6 and β 8) have been characterized and are expressed in mammalian tissues. β 1 and β 4 are present throughout the cytosol, β 2 is present in the nuclei and nucleoplasm, and β 3 is a neuron-specific cytoskeletal protein. γ Tubulin forms the gammasome, which is required for nucleating microtubule filaments at the centrosome. Both δ Tubulin and ϵ Tubulin are associated with the centrosome. δ Tubulin is a homolog of the *Chlamydomonas* δ Tubulin Uni3 and is found in association with the centrioles, whereas ϵ Tubulin localizes to the pericentriolar material. ϵ Tubulin exhibits a cell-cycle-specific pattern of localization, first associating with only the older of the centrosomes in a newly duplicated pair and later associating with both centrosomes.

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CHROMOSOMAL LOCATION

Genetic locus: Tubg1 (mouse) mapping to 11 D.

RESEARCH USE

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

PRODUCT

γ 1 Tubulin (m): 293T Lysate represents a lysate of mouse γ 1 Tubulin transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

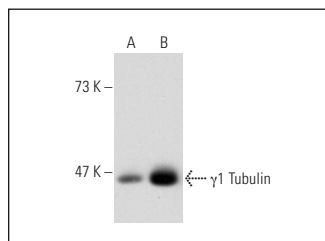
APPLICATIONS

γ 1 Tubulin (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive γ 1 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.

γ Tubulin (TU-30): sc-51715 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse γ 1 Tubulin expression in γ 1 Tubulin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



γ Tubulin (TU-30): sc-51715. Western blot analysis of γ 1 Tubulin expression in non-transfected: sc-117752 (A) and mouse γ 1 Tubulin transfected: sc-124845 (B) 293T whole cell lysates.

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.