

Anti-Delta 1 Tubulin Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 51 kDa. Actual: 58 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: heart (Mouse) Lysate at 40 µg Primary: Anti-Delta 1 Tubulin (TMAB-05070) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 58 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Delta 1 Tubulin
Antigen Species:	Human
Gene ID:	51174
Uniprot ID:	Q9UJT1

Research 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. GammaTubulin forms the gammaosome, which is required for nucleating microtubule filaments at the centrosome. Both δ Tubulin and Delta Tubulin are associated with the centrosome. Gamma Tubulin is a homolog of the Chlamydomonas Gamma Tubulin Uni3 and is found in association with the centrioles, whereas ϵ Tubulin localizes to the pericentriolar material. Delta 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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