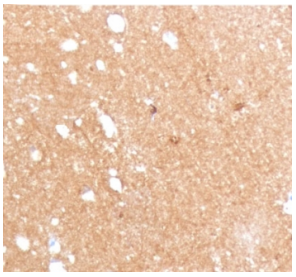
Beta Tubulin Antibody / TUBB3 [clone TBBT3-1] (V8309)

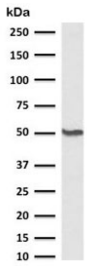
Catalog No.	Formulation	Size
V8309-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8309-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8309SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TBBT3-1
Purity	Protein G affinity chromatography
UniProt	Q13509
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 1-2ug/ml
Limitations	This Beta Tubulin antibody is available for research use only.



IHC staining of FFPE human brain with Beta Tubulin antibody (clone TBBT3-1). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Western blot testing of human HEK293 cel lysate with Beta Tubulin antibody (clone TBBT3-1). Predicted molecular weight: ~50 kDa.

Description

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. TUBB3 plays a critical role in proper axon guidance and mantainance. Binding of NTN1/Netrin-1 to its receptor UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion. Plays a role in dorsal root ganglion axon projection towards the spinal cord. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the Beta Tubulin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 437-450 were used as the immunogen for the Beta Tubulin antibody.

Storage

Store the Beta Tubulin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com