

Product datasheet for **TA385942**

beta III Tubulin (TUBB3) Rabbit Monoclonal Antibody [Clone ID: S11B]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S11B
Applications:	ELISA, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Immunogen:	Human MBP (microtubule-binding protein).
Specificity:	Binds specifically to human beta-tubulin (no crossreactivity with alpha-tubulin).

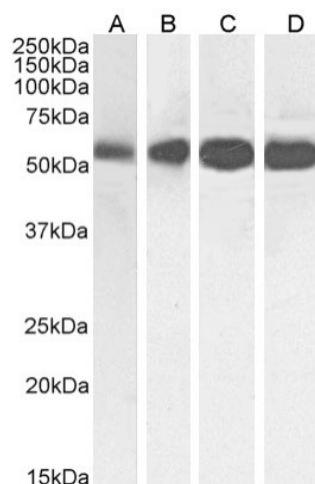
This antibody binds to beta-tubulin. Tubulin is the major constituent of microtubules. The beta-chain has an exchangeable GTP-binding site.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	tubulin beta 3 class III
Database Link:	Entrez Gene 10381 Human Q13509
Synonyms:	beta-4; MC1R; TUBB4
Note:	This full-length, chimeric rabbit antibody was made using the variable domain sequences of the original Human scFv format, for improved compatibility with existing reagents, assays and techniques.

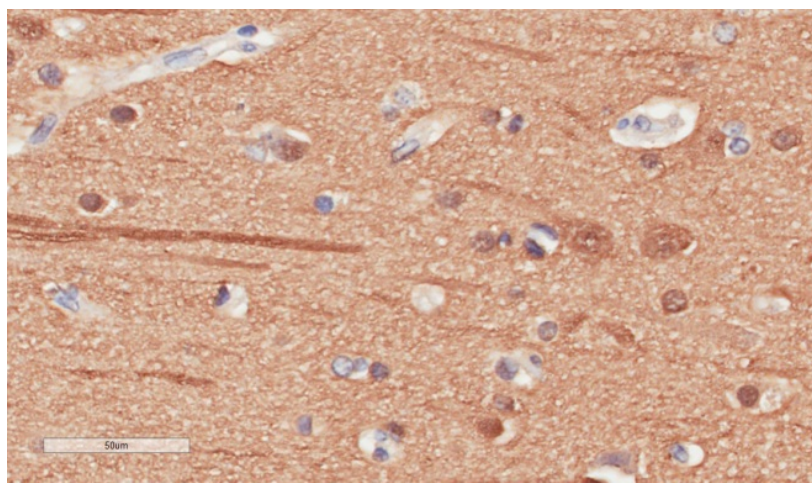


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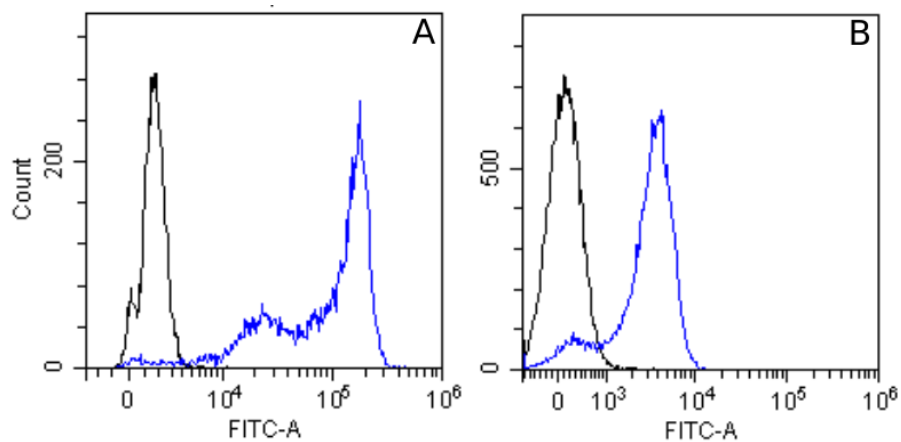
Product images:



Western Blot using anti-Beta-Tubulin antibody S11B (TA385942) HeLa (A), A431 (B), HEK293 (C) and MCF-7 (D) cell lysate samples (35µg protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of S11B (TA385942) at 0.01 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected band size for Beta-Tubulin is ~54kDa. TA385942 successfully detected human Beta-Tubulin in HeLa, A431, HEK293 and MCF-7 cell lysate samples.



Immunohistochemical staining of human cerebral cortex tissue using anti-Beta Tubulin antibody (TA385942) S11B Anti-Beta Tubulin staining of paraffin embedded human cerebral cortex tissue using the rabbit-chimeric version of S11B (TA385942). Antigen retrieval was achieved by microwaving in citrate buffer (pH6), followed by blocking with protein block serum-free buffer. Primary antibody incubation with TA385942 was carried out at 4 µg/ml for 30 minutes. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody for 20 mins followed by DAB (3,3'-diaminobenzidine), and counter-staining with haematoxylin. Staining of neuronal cell bodies and their processes may be observed. Recommended concentration, 2-4 µg/ml.



Flow-cytometry using the anti-Beta Tubulin S11B (TA385942) MCF-7 (A) and HeLa (B) cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of S11B (TA385942, blue line) at a concentration of 10 $\mu\text{g}/\text{ml}$ for 30 mins at RT. After washing, bound antibody was detected using anti-rabbit IgG JK (FITC-conjugate) antibody at 2 $\mu\text{g}/\text{ml}$ and cells analyzed on a FACSCanto flow-cytometer.