

Beta-Tubulin Recombinant Antibody | TUBB recombinant antibody

Anti-Beta-Tubulin [S11B]

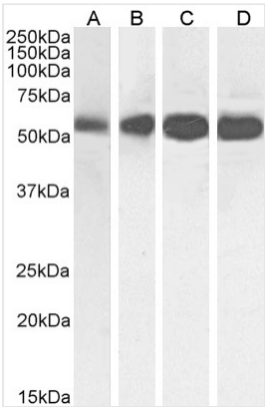
CATALOG # AAA71972	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Beta-Tubulin; Monoclonal Recombinant Antibody; Anti-Beta-Tubulin [S11B]; TUBB recombinant antibody

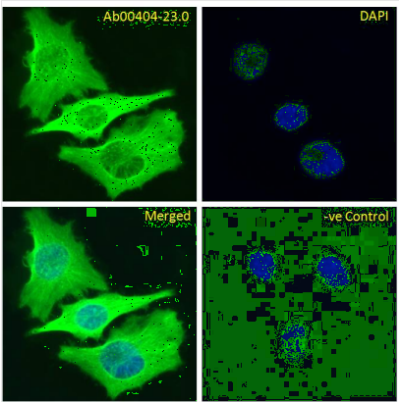
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, lambda
Clone Number	S11B
Specificity	Binds specifically to human beta-tubulin (no crossreactivity with alpha-tubulin).
Purity/Purification	Purified Protein A Affinity Purified
Sequence Length	448
Applicable Applications for TUBB recombinant antibody	WB (Western Blot), ELISA
Immunogen	Human MBP (microtubule-binding protein).
Antigen	Beta-Tubulin
Antigen Description	Human MBP (microtubule-binding protein).
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	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.
Publication Note	Describes the generation of several scFvs against a variety of intracellular components with the aim of identifying an anti-Giantin antibody.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



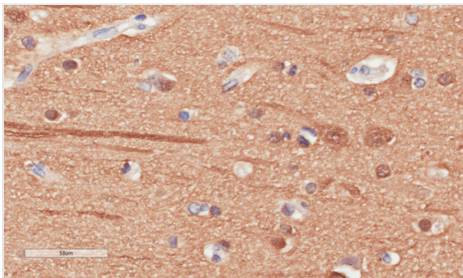
WB (Western Blot)

Western Blot using anti-Beta-Tubulin antibody S11B HeLa (A), A431 (B), HEK293 (C) and MCF-7 (D) cell lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of S11B at 0.01 ug/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. A431, HEK293 and MCF-7 cell lysate samples.



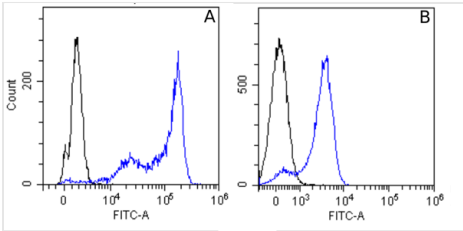
IF (Immunofluorescence)

Immunofluorescence staining of fixed HeLa cells with anti-Beta-tubulin antibody S11B
Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of S11B at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor 488 secondary antibody.



IHC (Immunohistochemistry)

Immunohistochemical staining of human cerebral cortex tissue using anti-Beta Tubulin antibody S11B Anti-Beta Tubulin staining of paraffin embedded human cerebral cortex tissue using the rabbit-chimeric version of S11B 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 ug/ml.



FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-Beta Tubulin S11B MCF-7 (A) and HeLa (B) cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of S11B at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for TUBB recombinant antibody	Recombinant monoclonal antibody to Beta-Tubulin. Manufactured using Recombinant Platform with variable regions (i.e. specificity) from the scFv S11B.
Product Categories/Family for TUBB recombinant antibody	Cell Biology; Cancer; Cytoskeleton; Cell cycle; Imaging
References	Nizak et al. Trafficking 2003; 4(11):739-753 PMID:14617357

NCBI AND UNIPROT INFORMATION

NCBI GI #	166496
Molecular Weight	50,072 Da
NCBI Official Full Name	beta-tubulin
UniProt Protein Name	Tubulin beta chain

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-tubulin-recombinant-antibody-clone-s11b-western-blot-elisa/71972>