

Alpha-Tubulin Recombinant Antibody | TUBA recombinant antibody

Anti-Alpha-Tubulin [F2C]

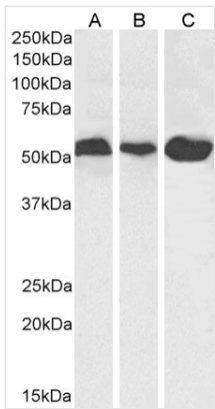
CATALOG # AAA71971	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Alpha-Tubulin; Monoclonal Recombinant Antibody; Anti-Alpha-Tubulin [F2C]; TUBA recombinant antibody

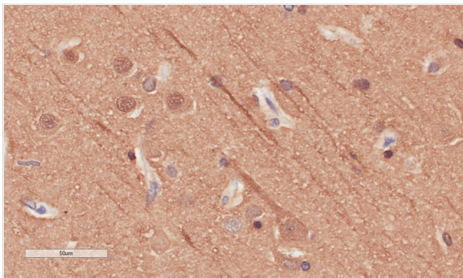
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, lambda
Clone Number	F2C
Specificity	Binds specifically to human alpha-tubulin (no crossreactivity with beta-tubulin).
Purity/Purification	Purified Protein A Affinity Purified
Applicable Applications for TUBA recombinant antibody	WB (Western Blot), ELISA
Immunogen	Human MBP (microtubule-binding protein).
Antigen	Alpha-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.



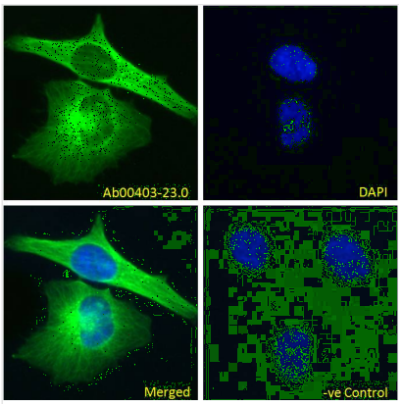
WB (Western Blot)

Western Blot using anti-Alpha-Tubulin antibody F2C HeLa (A), HEK293 (B), and HepG2 (C) 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 F2C 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 Alpha-Tubulin is ~55kDa. HEK293, and HepG2 cell lysate samples.



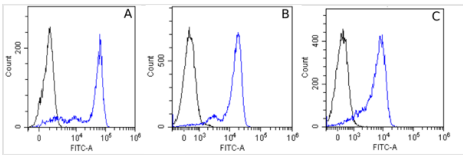
IHC (Immunohistochemistry)

Immunohistochemical staining of human cerebral cortex tissue using anti-Alpha Tubulin antibody F2C Anti-Alpha Tubulin staining of paraffin embedded human cerebral cortex tissue using the rabbit-chimeric version of F2C for 20 mins followed by DAB (3,3'-diaminobenzidine), and counter-staining with haematoxylin. Staining of axons and a few neuronal cell bodies may be observed. Recommended concentration, 2-4 ug/ml.



IF (Immunofluorescence)

Immunofluorescence staining of fixed HeLa cells with anti-Alpha-tubulin antibody F2C Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of F2C at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing microtubule 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.



FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-Alpha Tubulin F2C HepG2 (A), HeLa (B) and Hek293 (C) cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of F2C 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 TUBA recombinant antibody	Recombinant monoclonal antibody to Alpha-Tubulin. Manufactured using Recombinant Platform with variable regions (i.e. specificity) from the scFv F2C.
Product Categories/Family for TUBA recombinant antibody	Cell Biology; Cancer; Cytoskeleton; Cell cycle; Imaging
References	Nizak et al. Trafficking 2003; 4(11):739-753 PMID:14617357

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.