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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Alpha-tubulin TUBA3C Antibody

Catalog Number: A17842-1

About TUBA3C

Alpha-tubulin belongs to the tubulin superfamily, which is composed of six distinct families. Along with beta-tubulins, alpha-tubulins are the major components of microtubules. These microtubules are involved in a wide variety of cellular activities ranging from mitosis and transport events to cell movement and the maintenance of cell shape. Alpha- and beta-tubulin dimers are assembled to 13 protofilaments that form a microtubule of 22-nm diameter (reviewed in 1). Tyrosine ligase adds a C-terminal tyrosine to monomeric alpha-tubulin. Assembled microtubules can again be detyrosinated by a cytoskeleton-associated carboxypeptidase (2). Another post-translational modification of detyrosinated alpha-tubulin is C-terminal polyglutamylation, which is characteristic of microtubules in neuronal cells and the mitotic spindle (3). Like GAPDH and ?-Actin, this antibody makes an excellent loading control in immunoblots.

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Overview

Product Name	Anti-Alpha-tubulin TUBA3C Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Alpha-tubulin TUBA3C Antibody (Catalog # A17842-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Alpha-tubulin antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Alpha-tubulin antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q13748

Technical Details

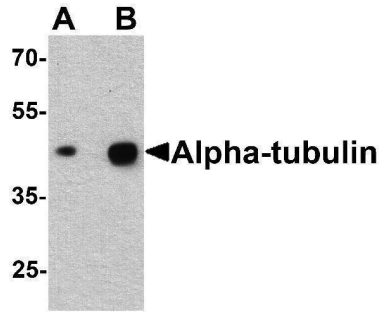
Immunogen	Alpha-tubulin antibody was raised against an 18 amino acid peptide near the amino terminus of human alpha-tubulin. The immunogen is located within the first 50 amino acids of Alpha-tubulin.
Predicted Reactive Species	Bovine, Chicken, Pig

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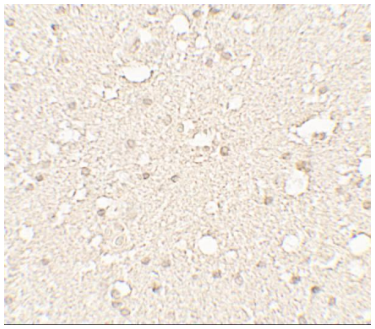
Cross Reactivity	Alpha-tubulin antibody is human, mouse and rat reactive.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Alpha-tubulin antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Alpha-tubulin antibody can be used for detection of alpha-tubulin by Western blot at 0.25 - 0.5 ug/ml. Antibody can also be used for Immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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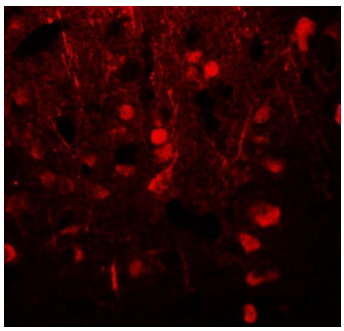
Anti-Alpha-tubulin TUBA3C Antibody (A17842-1) Images



Western blot analysis of alpha-tubulin in human brain tissue lysate with alpha-tubulin antibody at (A) 0.25 and (B) 0.5 ug/ml.



Immunohistochemistry of Alpha-tubulin in human brain tissue with Alpha-tubulin antibody at 5 ug/mL.



Immunofluorescence of Alpha-tubulin in human brain tissue with Alpha-tubulin antibody at 20 ug/mL.

Anti-Alpha-tubulin TUBA3C Antibody

For Research Use Only. Not for use in diagnostic procedures.