

Rabbit Alpha-tubulin Polyclonal Antibody | anti-TUBA3C antibody

Alpha-tubulin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40681	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Alpha-tubulin; Polyclonal Antibody; Alpha-tubulin Antibody; TUBA2; bA408E5.3; TUBA3D; Alpha-tubulin 2; tubulin; alpha 3c; anti-TUBA3C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Alpha-tubulin antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; Alpha-tubulin antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	450
Applicable Applications for anti-TUBA3C antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
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
Homology	Predicted species reactivity based on immunogen sequence: Bovine (100%), Pig (100%), Chicken (100%)
Preparation and Storage	Alpha-tubulin antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



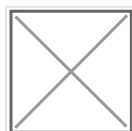
IF (Immunofluorescence)

Immunofluorescence of Alpha-tubulin in human brain tissue with Alpha-tubulin antibody at 20 &#956;g/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of Alpha-tubulin in human brain tissue with Alpha-tubulin antibody at 5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of alpha-tubulin in human brain tissue lysate with alpha-tubulin antibody at (A) 0.25 and (B) 0.5 &#956;g/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBA3C antibody	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 β -Actin, this antibody makes an excellent loading control in immunoblots.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17921993
NCBI GeneID	7278
NCBI Accession #	NP_005992
NCBI GenBank Nucleotide #	NM_006001.2
UniProt Accession #	Q13748; Q5W099; Q6PEY3; Q96F18; A6NJJQ0
Molecular Weight	Predicted: 50 kDa Observed: 45 kDa
NCBI Official Full Name	tubulin alpha-3C/D chain
NCBI Official Synonym Full Names	tubulin, alpha 3c
NCBI Official Symbol	TUBA3C
NCBI Official Synonym Symbols	TUBA2; bA408E5.3
NCBI Protein Information	tubulin alpha-3C/D chain; alpha-tubulin 2; tubulin, alpha 2; alpha-tubulin 3C/D; tubulin alpha-2 chain
UniProt Protein Name	Tubulin alpha-3C/D chain
UniProt Gene Name	TUBA3C
UniProt Synonym Gene Names	TUBA2
UniProt Entry Name	TBA3C_HUMAN

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/polyclonal/alpha-tubulin-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40681>