

Rabbit beta-Tubulin Polyclonal Antibody | anti-TUBB antibody

beta-Tubulin Rabbit pAb

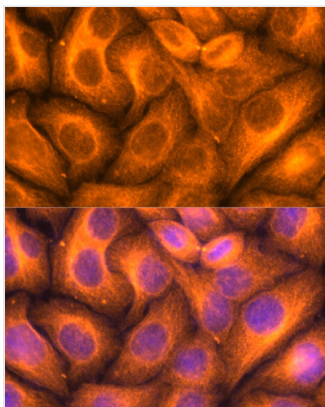
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28394	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

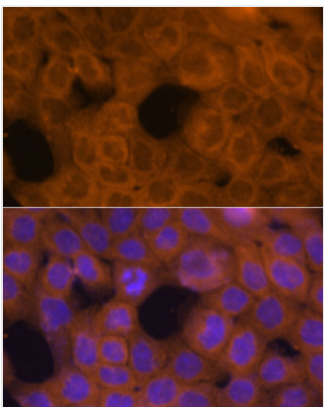
beta-Tubulin; Polyclonal Antibody; beta-Tubulin Rabbit pAb; CDCBM6; CSCSC1; M40; OK/SW-cl.56; TUBB1; TUBB5; Beta Tubulin; TUBB; anti-TUBB antibody

PRODUCT SPECIFICATIONS

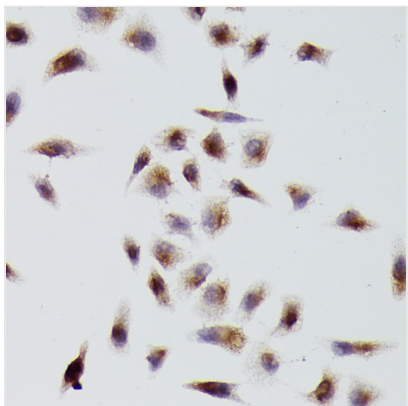
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence	SDLQLERISV YYNEASSHKY VPRAILVDLE PGTMDSVRSG AFGHLFRPDN FIFGQSGAGN NWAKGHYTEG AELVDSVLDV VRKECENCDC LQGFQLTHSL GGGTGSGMGT LLISKVREEY PDRIMNTFSV VPSPKVSDTV VEPYNATLSI HQLVENTDET YCIDNEALYD ICFRTLKLAT PTYGDNLHLV SATMSGVTTS LRFPGQLNAD LRKLAVNMVP F
Applicable Applications for anti-TUBB antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 Customer Validation: WB: Mouse, Rat, Human, Bos taurus IP: Human WB: Human
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 40-260 of human beta-Tubulin (NP_006077.2).
Cellular Location	Cytoplasm, cytoskeleton
Positive Samples	SH-SY5Y, HeLa, A-549, MCF7, HepG2, Mouse eye, Rat spinal cord
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



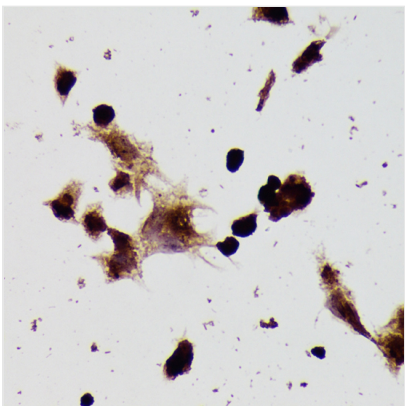
IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using β -Tubulin antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



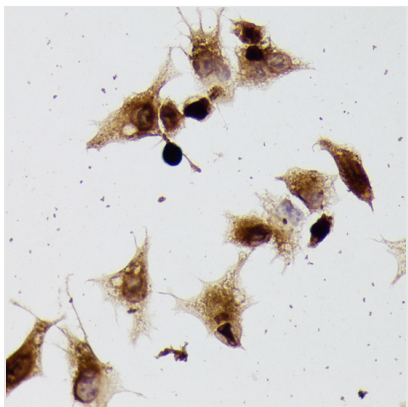
IF (Immunofluorescence)
Immunofluorescence analysis of A431 cells using β -Tubulin antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



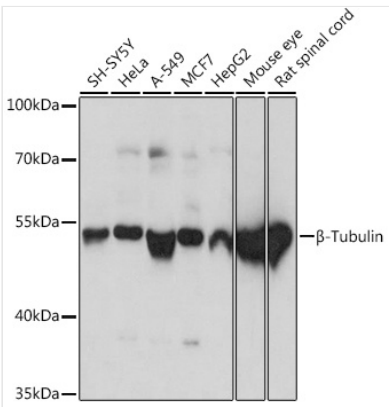
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded HepG2 cells treated by oleic acid using β -Tubulin antibody at dilution of 1:100 (40x lens).



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Immunohistochemistry of paraffin-embedded HepG2 cells treated by oleic acid using β -Tubulin antibody at dilution of 1:100 (40x lens).



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Immunohistochemistry of paraffin-embedded HepG2 cells using β -Tubulin antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using TUBB antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB antibody	Background: This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.
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Product Categories/Family for anti-TUBB antibody	Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Research; Cell Biology & Developmental Biology; Cytoskeleton; Microtubules; Other Antibody Type
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29788785
NCBI GeneID	203068
NCBI Accession #	NP_821133.1
NCBI GenBank Nucleotide #	NM_178014.2
UniProt Accession #	P07437; P05218; Q8WUC1; Q9CY33
Molecular Weight	444
NCBI Official Full Name	tubulin beta chain
NCBI Official Synonym Full Names	tubulin, beta class I
NCBI Official Symbol	TUBB
NCBI Official Synonym Symbols	M40; TUBB1; TUBB5; OK/SW-cl.56
NCBI Protein Information	tubulin beta chain; beta1-tubulin; beta 5-tubulin; beta-4 tubulin; beta 1b tubulin; class I beta-tubulin; tubulin beta-1 chain; tubulin beta-5 chain; tubulin beta polypeptide; tubulin, beta polypeptide
UniProt Protein Name	Tubulin beta chain
UniProt Gene Name	TUBB
UniProt Synonym Gene Names	TUBB5
UniProt Entry Name	TBB5_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/beta-tubulin-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28394>