

Mouse beta-Tubulin Monoclonal Antibody | anti-TUBB antibody

beta-Tubulin Mouse mAb

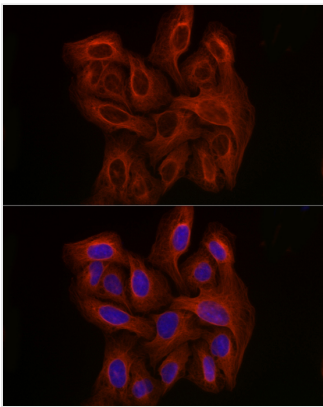
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28395	Mouse	Human, Mouse, Rat, Hamster, Monkey, Goat, Chlamydomonas Reinhardtii	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

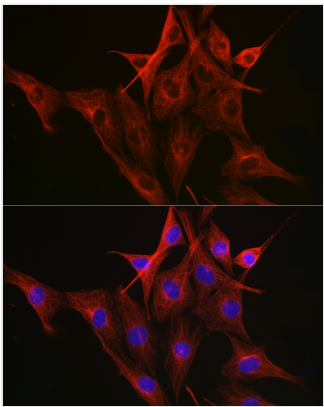
beta-Tubulin; Monoclonal Antibody; beta-Tubulin Mouse mAb; CDCBM6; CSCSC1; M40; OK/SW-cl.56; TUBB1; TUBB5; Beta Tubulin; TUBB; anti-TUBB antibody

PRODUCT SPECIFICATIONS

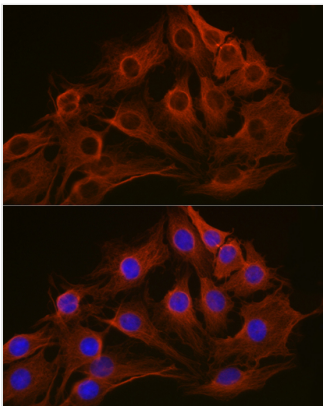
Host	Mouse
Reactivity	Human, Mouse, Rat, Hamster, Monkey, Goat, Chlamydomonas Reinhardtii
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-TUBB antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:5000-1:10,000 IHC: 1:50- 1:200 IF: 1:50- 1:200 IP: 1:50- 1:200 Customer Validation: WB: Mouse, Human, Rat, Arabidopsis thaliana IP: Mouse IF: Mouse
Immunogen	Recombinant protein of human beta-Tubulin
Cellular Location	Cytoplasm, cytoskeleton
Positive Samples	SH-SY5Y, MCF-7, HepG2, HeLa, Mouse brain, Mouse lung, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



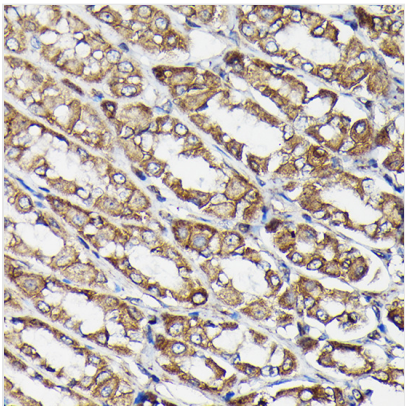
IF (Immunofluorescence)
Immunofluorescence analysis of U-2 OS cells using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



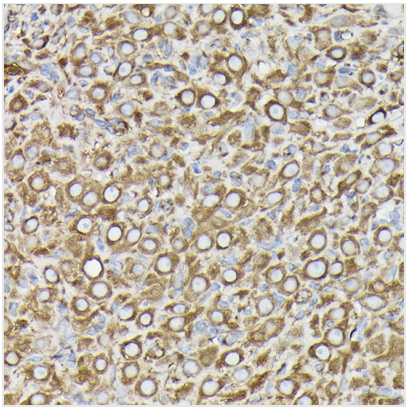
IF (Immunofluorescence)
Immunofluorescence analysis of NIH-3T3 cells using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



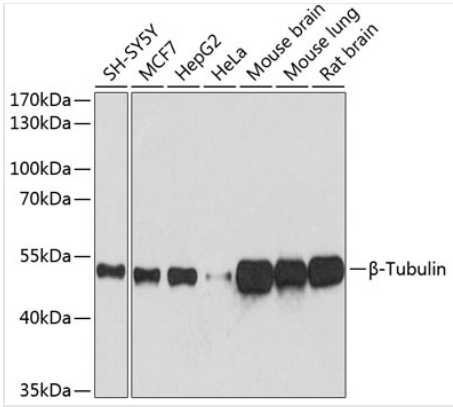
IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat stomach using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat ovary using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using β -Tubulin antibody at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

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.

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/monoclonal/beta-tubulin-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/28395>