

Mouse anti-Human TUBB3 Antibody | anti-TUBB3 antibody

TUBB3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108609	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot

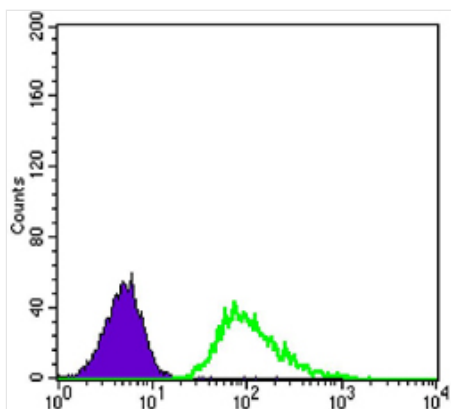
PRODUCT SYNONYMS

TUBB3; TUBB3 Antibody; Tubulin; beta 3; MC1R; TUBB4; anti-TUBB3 antibody

PRODUCT SPECIFICATIONS

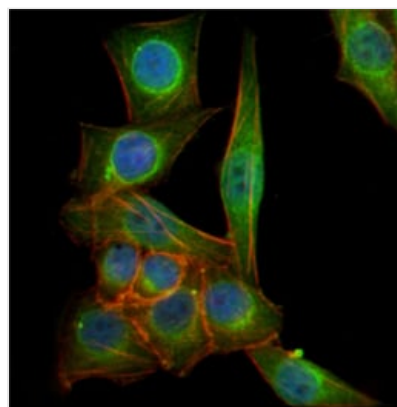
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	2E9
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	378
Applicable Applications for anti-TUBB3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human TUBB3 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



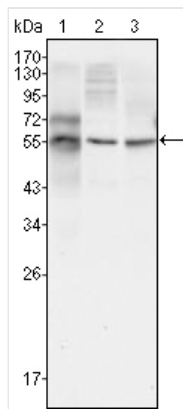
FCM/FACS (Flow Cytometry)

Figure 3. Flow cytometric analysis of A549 cells using TUBB3 mouse mAb (green) and negative control (purple).



IF (Immunofluorescence)

Figure 2. Immunofluorescence analysis of PANC-1 cells using TUBB3 mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye. Red. Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



WB (Western Blot)

Figure 1. Western blot analysis using TUBB3 mouse mAb against HepG2 (1), A549 (2) and HeLa (3) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody

Tubulin, beta 3, also known as TUBB3. Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non exchangeable site on the alpha-chain. Tubulin is a highly conserved protein with a molecular weight of ~50 kD. Microtubules play key roles in chromosome segregation in mitosis, intracellular transport, ciliary and flagellar bending, and structural support of the cytoskeleton. The two main tubulin isoforms, alpha-and beta-tubulin, are usually products of separate genes. The beta-tubulin family includes six expressed genes that produce the polypeptide isoforms known as Classes I through VI, each of which have a distinct pattern of expression. Class III beta-tubulin is found in neurons and mammalian testis cells and is widely used as a neuronal marker in developmental neurobiology, neoplasia, and stem cell research. Class III beta-tubulin expression in neuronal and neuroblastic tumors is differentiation dependent, and its expression in certain non-neuronal neoplasms has been associated with poor prognosis and/or resistance to chemotherapy.

Product Categories/Family for anti-TUBB3 antibody

[Autophagy antibody](#); [Cancer](#); [Cardiovascular](#); [Cell Biology](#); [Epigenetics & Nuclear Signaling](#); [Developmental Biologys](#); [Immunology](#); [Drug Discovery Products](#); [Metabolism](#); [Neuroscience](#); [Signal Transduction](#); [Stem Cells](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	308235963
NCBI GeneID	10381
NCBI Accession #	NP_001184110.1
NCBI GenBank Nucleotide #	NM_001197181.1
UniProt Accession #	Q13509; Q9BTZ0; Q9BW10; A8K854
Molecular Weight	50kDa
NCBI Official Full Name	tubulin beta-3 chain isoform 2
NCBI Official Synonym Full Names	tubulin beta 3 class III
NCBI Official Symbol	TUBB3
NCBI Official Synonym Symbols	CDCBM; FEOM3; TUBB4; CDCBM1; CFEOM3; beta-4; CFEOM3A
NCBI Protein Information	tubulin beta-3 chain
UniProt Protein Name	Tubulin beta-3 chain
UniProt Gene Name	TUBB3
UniProt Synonym Gene Names	TUBB4

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/mouse-human-antibody/tubb3/108609>