

Rabbit TUBB3 Polyclonal Antibody | anti-TUBB3 antibody

TUBB3 Antibody (N-term)

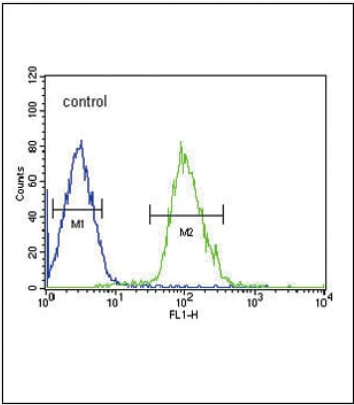
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285649	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Monkey, Rat, Chicken)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

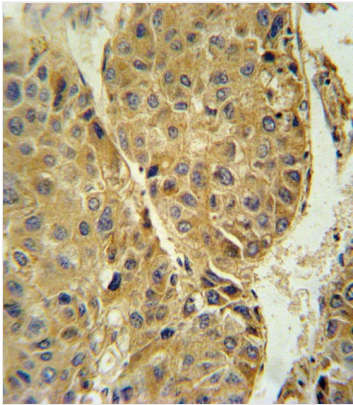
TUBB3; Polyclonal Antibody; TUBB3 Antibody (N-term); Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III; TUBB4; anti-TUBB3 antibody

PRODUCT SPECIFICATIONS

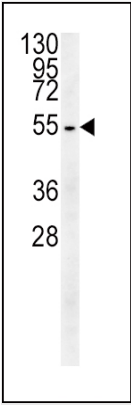
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Monkey, Rat, Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TUBB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-63 amino acids from the N-terminal region of human TUBB3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	36-63
Sequence Length	378
Applicable Applications for anti-TUBB3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



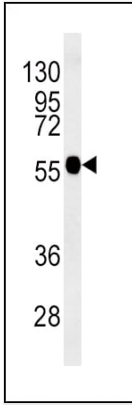
FCM/FACS (Flow Cytometry)
TUBB3 Antibody (N-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
TUBB3 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TUBB3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TUBB3 Antibody (N-term) western blot analysis in HepG2 cell line lysates (15ug/lane). This demonstrates the TUBB3 antibody detected the TUBB3 protein (arrow).



WB (Western Blot)
TUBB3 Antibody (N-term) western blot analysis in mouse brain tissue lysates (15ug/lane). This demonstrates the TUBB3 antibody detected the TUBB3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody	Beta III tubulin is abundant in the central and peripheral nervous systems (CNS and PNS) where it is prominently expressed during fetal and postnatal development. As exemplified in cerebellar and sympathoadrenal neurogenesis, the distribution of beta III is neuron-associated, exhibiting distinct temporospatial gradients according to the regional neuroepithelia of origin. However, transient expression of this protein is also present in the subventricular zones of the CNS comprising putative neuronal- and/or glial precursor cells, as well as in Kulchitsky neuroendocrine cells of the fetal respiratory epithelium. This temporally restricted, potentially non-neuronal expression may have implications in the identification of presumptive neurons derived from embryonic stem cells.
Product Categories/Family for anti-TUBB3 antibody	Neuroscience; Signal Transduction
References	Khan, I.A., et al. Biochemistry 35(12):3704-3711(1996) Khan, I.A., et al. Biochemistry 35(12):3704-3711(1996) Vinores, S.A., et al. Exp. Eye Res. 60(4):385-400(1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	308235963
NCBI GeneID	10381
NCBI Accession #	NP_001184110.1; NP_006077.2

NCBI GenBank Nucleotide #	NM_001197181.1
UniProt Accession #	Q13509; Q9BTZ0; Q9BW10; A8K854
Molecular Weight	50433
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
UniProt Entry Name	TBB3_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/tubb3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285649>