

Rabbit Beta III Tubulin Polyclonal Antibody | anti-TUBB3 antibody

Beta III Tubulin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311943	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry, Western Blot

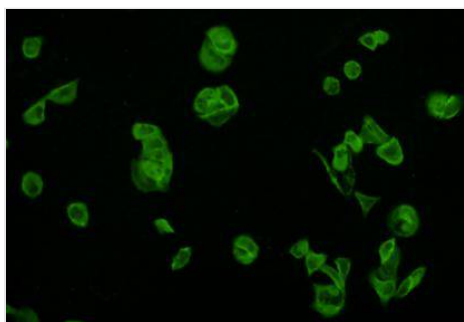
PRODUCT SYNONYMS

Beta III Tubulin; Polyclonal Antibody; Beta III Tubulin Antibody; beta 3 tubulin antibody; beta-4 antibody; CDCBM antibody; CDCBM1 antibody; CFEM3 antibody; CFEM3A antibody; FEOM3 antibody; M (beta)3 antibody; M (beta)6 antibody; MC1R antibody; Neuron specific beta III Tubulin antibody; Neuron-specific class III beta-tubulin antibody; QccE-11995 antibody; QccE-15186 antibody; TBB3_HUMAN antibody; Tubb 3 antibody; TUBB3 antibody; TUBB4 antibody; Tubulin beta 3 antibody; Tubulin beta 3 chain antibody; Tubulin beta 4 antibody; Tubulin beta III antibody; Tubulin beta-3 chain antibody; Tubulin beta-4 chain antibody; Tubulin beta-III antibody; anti-TUBB3 antibody

PRODUCT SPECIFICATIONS

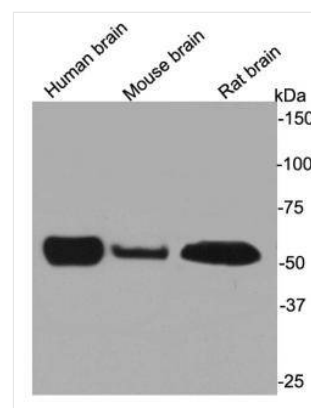
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TUBB3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)

ICC staining beta III tubulin in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis on different lysates using anti-beta III tubulin rabbit polyclonal antibodies.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody	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. TUBB3 plays a critical role in proper axon guidance and maintenance. It has been reported that beta 3-tubulin is expressed in a wide variety of tumors. Overexpression of this isotype in clinical samples correlates with tumor aggressiveness, resistance to chemotherapeutic drugs, and poor patient survival. The beta 3 isotype increases tumor aggressiveness by two distinct mechanisms. Incorporation of this isotype makes microtubule networks hypostable, allowing them to resist the cytotoxic effects of microtubule stabilizing drugs like taxanes or epothilones. Mechanistically, it was found that overexpression of beta 3-tubulin increases the rate of microtubule detachment from microtubule organizing centers, an activity that is suppressed by drugs such as paclitaxel.
Product Categories/Family for anti-TUBB3 antibody	Total protein Ab

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
Molecular Weight	50,433 Da
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; TUBB4; beta-4; CFEOM3A
NCBI Protein Information	tubulin beta-3 chain; tubulin beta-III; tubulin beta-4 chain; class III beta-tubulin
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/beta-iii-tubulin-antibody-flow-cytometry-immunohistochemistry-immunocytochemistry-western-blot-elisa/311943>