

Rabbit Tubulin beta-III Monoclonal Antibody | anti-TUBB3 antibody

Tubulin beta-III Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312169	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

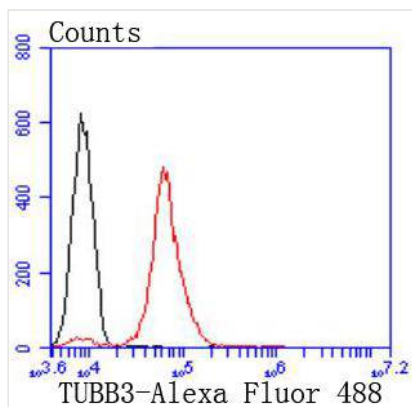
PRODUCT SYNONYMS

Tubulin beta-III; Monoclonal Antibody; Tubulin beta-III Antibody; beta 3 tubulin antibody; beta-4 antibody; CDCBM antibody; CDCBM1 antibody; CFEOM3 antibody; CFEOM3A 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

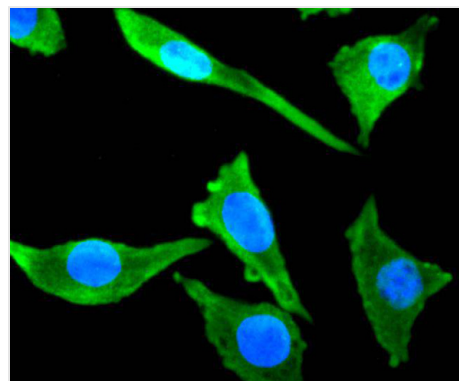
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SP06-00
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TUBB3 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



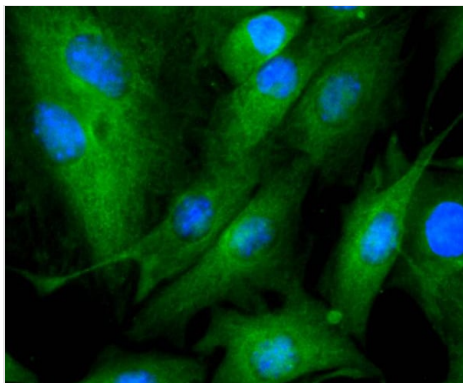
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of N2A cells with Tubulin beta-III antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



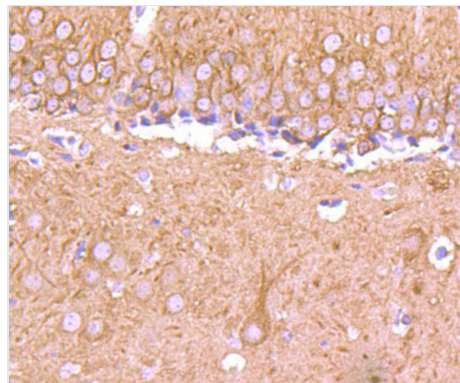
ICC (Immunocytochemistry)

ICC staining Tubulin beta-III in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



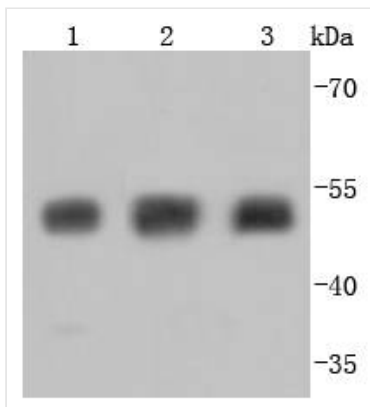
ICC (Immunocytochemistry)

ICC staining Tubulin beta-III in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Tubulin beta-III antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Tubulin beta-III on different lysates using anti-Tubulin beta-III antibody at 1/1, 000 dilution. Positive control: Lane 1: HeLa Lane 2: PC-12 Lane 3: SH-SY-5Y

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody

Tubulin is a major cytoskeleton component that has five distinct forms, designated alpha, beta, gamma, delta and epsilon. alpha and beta Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple beta Tubulin isoforms (beta 1, beta 2, beta 3, beta 4, beta 5, beta 6 and beta 8) have been characterized and are expressed in mammalian tissues. beta 1 and beta 4 are present throughout the cytosol, beta 2 is present in the nuclei and nucleoplasm, and beta 3 is a neuron-specific cytoskeletal protein. gamma Tubulin forms the gamma-some, which is required for nucleating microtubule filaments at the centrosome. Both delta Tubulin and epsilon Tubulin are associated with the centrosome. delta Tubulin is a homolog of the Chlamydomonas delta Tubulin Uni3 and is found in association with the centrioles, whereas epsilon Tubulin localizes to the pericentriolar material. epsilon Tubulin exhibits a cell-cycle-specific pattern of localization, first associating with only the older of the centrosomes in a newly duplicated pair and later associating with both centrosomes.

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/monoclonal/tubulin-beta-iii-antibody-clone-sp06-00-flow-cytometry-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312169>