

Mouse beta-Tubulin Monoclonal Antibody | anti-TUBB antibody

beta-Tubulin Antibody

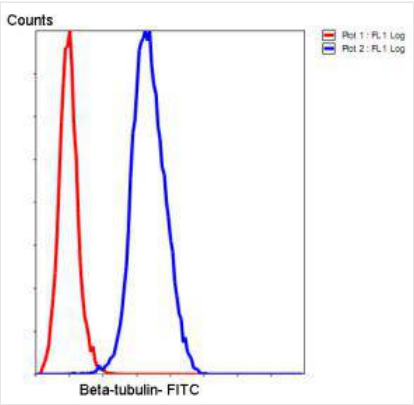
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29888	Mouse	Human, Mouse, Rat, Zebrafish	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

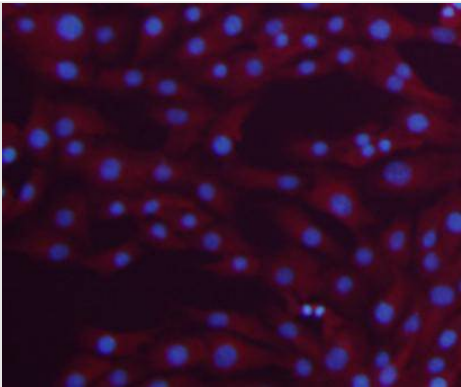
beta-Tubulin; Monoclonal Antibody; beta-Tubulin Antibody; Beta 4 tubulin antibody; Beta 5 tubulin antibody; BetaTubulin antibody; TBB5_HUMAN antibody; TUBB antibody; TUBB2 antibody; TUBB2A antibody; TUBB5 antibody; tubulin beta 2A antibody; Tubulin beta chain antibody; Tubulin beta-5 chain antibody; anti-TUBB antibody

PRODUCT SPECIFICATIONS

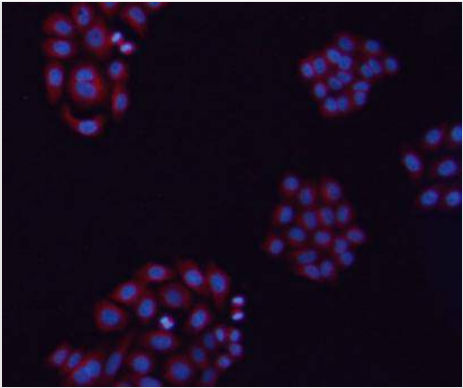
Host	Mouse
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	1-B11
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TUBB antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:5000-1:10,000 IHC: 1:20 ICC: 1:200 FC/FACS: 1:50-1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



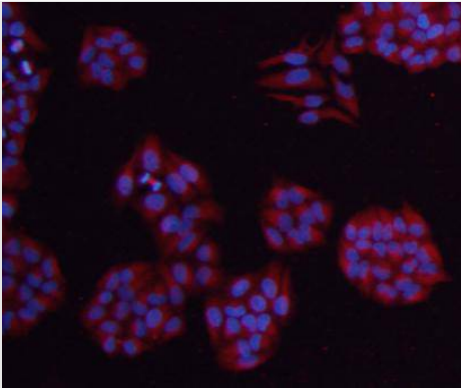
FCM (Flow Cytometry)
Flow cytometric analysis of HeLa cells with beta-tubulin antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti mouse IgG (FITC) was used as the secondary antibody.



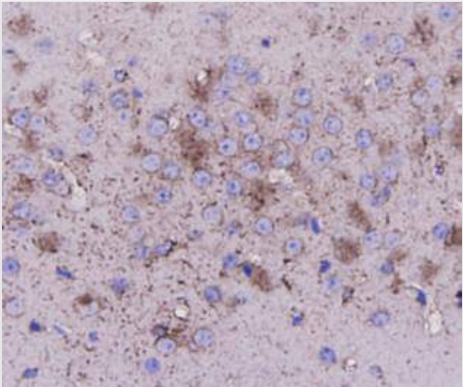
ICC (Immunocytochemistry)
ICC staining β -tubulin in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



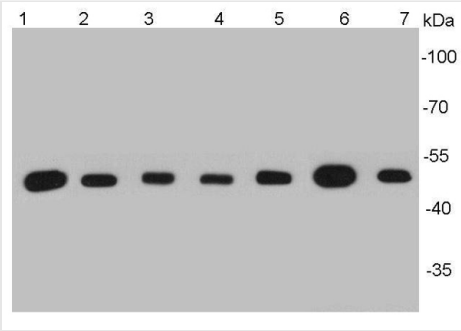
ICC (Immunocytochemistry)
ICC staining β -tubulin in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining β -tubulin in HeLa cells (red). 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-beta-tubulin antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of beta-tubulin on different cell lysates using anti-beta-tubulin antibody at 1/5000 dilution. Positive control: Lane 1: NCCIT Lane 2: NIH/3T3 Lane 3: PC12 Lane 4: Mouse heart Lane 5: F9 Lane 6: zebrafish brain Lane 7: HeLa

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB antibody

Tubulin is one of several members of a small family of globular proteins. The most common members of the tubulin family are alpha-tubulin and beta-tubulin. The beta-tubulin (relative molecular weight about 50 kDa) is counterpart of alpha-tubulin in tubulin heterodimer, it is coded by multiple tubulin genes and it is also posttranslationally modified. Heterogeneity of subunit is concentrated in C-terminal structural domain. Beta-Tubulin may have bound GTP or GDP. Under certain conditions beta-tubulin can hydrolyze its bound GTP to GDP plus Pi, release the Pi, and exchange the GDP for GTP.

Product Categories/Family for anti-TUBB antibody	Total protein Ab
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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-clone-1-b11-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29888>