Mouse anti-Human, Mouse Beta1-tubulin Monoclonal Antibody | anti-TUBB1 antibody

Anti-Beta1-tubulin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266108	**Mouse**	**Human, Mouse**	**Immunofluorescence, Immunohistochemistry, Western Blot**

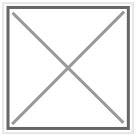
PRODUCT SYNONYMS

Beta1-tubulin; Monoclonal Antibody; Anti-Beta1-tubulin Antibody; anti-TUBB1 antibody

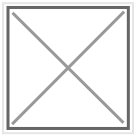
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	Recognizes endogenous levels of Beta1-tubulin protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG1. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-TUBB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human Beta1-tubulin. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescent analysis of Beta1-tubulin staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohiostchemistry)
Immunohistochemical analysis of Beta1-tubulin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

WB (Western Blot)
Western blot analysis of Beta1-tubulin expression in CCRFCEM (A), Hela (B) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 55 kD

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB1 antibody	Mouse monoclonal antibody to Beta1-tubulin
Product Categories/Family for anti-TUBB1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13562114
NCBI GeneID	81027
NCBI Accession #	NP_110400
NCBI GenBank Nucleotide #	NM_030773
UniProt Accession #	Q9H4B7; A2AQ07
Molecular Weight	50,327 Da
NCBI Official Full Name	tubulin beta-1 chain
NCBI Official Synonym Full Names	tubulin, beta 1 class VI
NCBI Official Symbol	TUBB1
NCBI Protein Information	tubulin beta-1 chain; beta tubulin 1, class VI; class VI beta-tubulin
UniProt Protein Name	Tubulin beta-1 chain
UniProt Gene Name	**TUBB1**
UniProt Entry Name	TBB1_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/beta1-tubulin-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/266108