

Mouse Beta5-tubulin Monoclonal Antibody | anti-TUBB antibody

Anti-Beta5-tubulin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265953	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

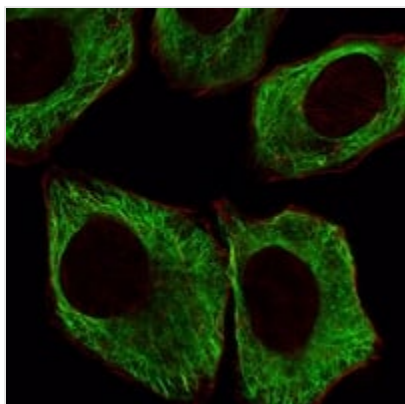
PRODUCT SYNONYMS

Beta5-tubulin; Monoclonal Antibody; Anti-Beta5-tubulin Antibody; anti-TUBB antibody

PRODUCT SPECIFICATIONS

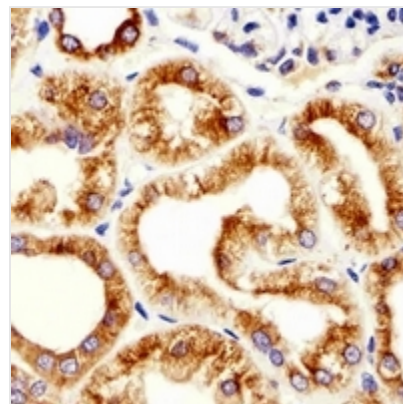
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG2b
Specificity	Recognizes endogenous levels of Beta5-tubulin protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG2b. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-TUBB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human Beta5-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



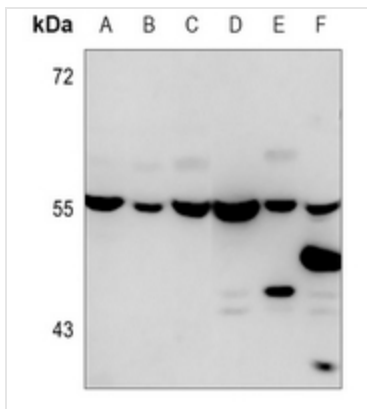
IF (Immunofluorescence)

Immunofluorescent analysis of Beta5-tubulin staining in A549 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. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Beta5-tubulin staining in human kidney 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 Beta5-tubulin expression in 293 (A), CEM (B), Hela (C), Y79 (D), PC12 (E) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 55 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB antibody	Mouse monoclonal antibody to Beta5-tubulin
Product Categories/Family for anti-TUBB antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	29788785
NCBI GeneID	203068
NCBI Accession #	NP_821133.1
NCBI GenBank Nucleotide #	NM_178014.2
UniProt Accession #	P07437 ; P99024 ; P69897
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.