

Mouse anti-Human, Mouse beta-Tubulin Monoclonal Antibody | anti-TUBB2B antibody

beta-Tubulin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48084	Mouse	Human, Mouse	Immunofluorescence, Western Blot, ELISA

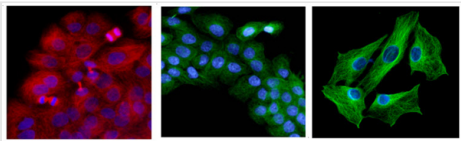
PRODUCT SYNONYMS

beta-Tubulin; Monoclonal Antibody; beta-Tubulin antibody; DKFZp566F223; FLJ98847; MGC8685; Tubulin beta-2B chain; bA506K6.1; TUBB2B; Tubulin beta 2b; Tubulin beta-2B; anti-TUBB2B antibody

PRODUCT SPECIFICATIONS

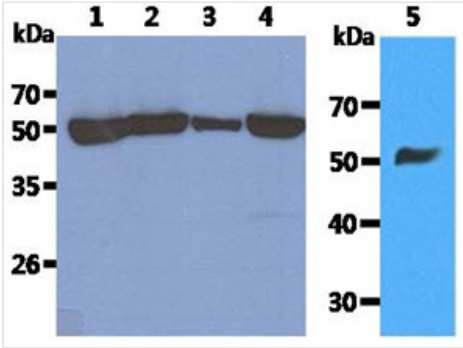
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT5B2
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	445
Applicable Applications for anti-TUBB2B antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human beta-Tubulin (1-445aa) purified from E. coli
Clone Note	Anti-human beta-Tubulin mAb, clone AT5B2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human beta-Tubulin protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of HaCaT cells stained with Hoechst 3342 (Blue) for nucleus staining and monoclonal anti-human beta-Tubulin antibody (1:1000) with Texas Red (Red).
Immunofluorescence of A431 cells stained with DAPI (Blue) for nucleus staining and monoclonal anti-human beta-Tubulin antibody (1:500) with Alexa Fluor 488 (Green).
Immunofluorescence of Balb/3T3 cells stained with DAPI (Blue) for nucleus staining and monoclonal anti-human beta-Tubulin antibody (1:200) with Alexa Fluor 488 (Green).



WB (Western Blot)

The Cell lysate (40ug) and Mouse tissue extracts (35ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human beta-Tubulin (1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Jurkat cell lysate Lane 2.: A549 cell lysate Lane 3.: A431 cell lysate Lane 4.: HepG2 cell lysate Lane 5.: Mouse Brain tissue extract

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB2B antibody	Tubulin is a major cytoskeleton component that has five distinct forms. Multiple beta Tubulin isoforms have been characterized and are expressed in mammalian tissues. 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.
Product Categories/Family for anti-TUBB2B antibody	Cytoskeleton
References	Xavier Hubert Jaglin, et al. (2009) Nat Genet, 41 (6):746-52.; Bouwmeester T, et al. (2004) Nat Cell Bio, 6 (2):97-105.; Modig, C, et al. (1999) Cell Motil Cytoskeleton, 42 (4): 315-330.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29788768
NCBI GeneID	347733
NCBI Accession #	NP_821080
NCBI GenBank Nucleotide #	NM_178012.4
UniProt Accession #	Q9BVA1; A8K068
Molecular Weight	49,953 Da
NCBI Official Full Name	tubulin beta-2B chain
NCBI Official Synonym Full Names	tubulin beta 2B class IIb
NCBI Official Symbol	TUBB2B
NCBI Official Synonym Symbols	CDCBM7; PMGYSA; bA506K6.1
NCBI Protein Information	tubulin beta-2B chain
UniProt Protein Name	Tubulin beta-2B chain
UniProt Gene Name	TUBB2B

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.